WELLESLEY COLLEGE

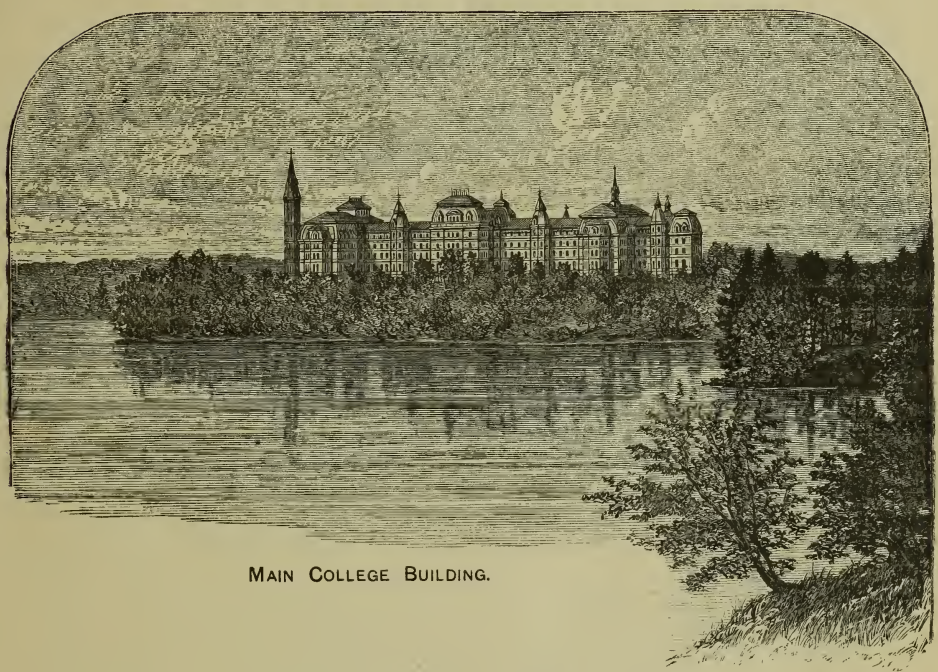
· CALENDAR ·

1888-89

CALENDAR

OF

WELLESLEY COLLEGE.



MAIN COLLEGE BUILDING.

1888-89.

BOSTON:
FRANK WOOD, PRINTER, 352 WASHINGTON STREET.
1889.

Announcements.

COLLEGIATE YEAR, 1889-90.

Entrance Examinations begin at 9 A. M.	Wednesday,	September 11.
Fall Term begins at 8 A. M.	Thursday,	September 12.
Thanksgiving Recess, to Friday noon following,	Wednesday noon,	November 27.
Fall Term ends at noon	Wednesday,	December 18.
		1890.
Winter Term begins at 8 A. M.	Thursday,	January 9.
Day of Prayer for Colleges	Thursday,	January 30.
Holiday, Washington's Birthday	Saturday,	February 22.
Winter Term ends at noon	Thursday,	March 27.
Spring Term begins at 8 A. M.	Tuesday,	April 8.
Entrance Examinations begin at 9 A. M.	Tuesday,	June 10.
COMMENCEMENT	Tuesday,	June 24.
Alumnæ Day	Wednesday,	June 25.

FALL TERM, COLLEGIATE YEAR, 1890-1891.

Entrance Examinations begin at 9 A. M.	Wednesday,	September 10.
Fall Term begins at 8 A. M.	Thursday,	September 11.
Thanksgiving Recess	Wednesday noon,	November 26.
Fall Term ends at noon	Wednesday,	December 17.

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1889.*

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1890.

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1891.

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* The term expires at the annual meeting of the year indicated.

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*Absent during first two terms.

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MARY SOPHIA CASE, B.A.,
Instructor in Philosophy.

BERTHA CORDEMANN,
Instructor in German.

ALMA EVELETH AUMACK, M.A.,
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CAROLINE GRAHAM SOULE, B.A.,
Instructor in Greek.

RALZA MORSE MANLY, M.A.,
Instructor in Logic and Rhetoric.

EVELYN BARROWS, B.S.,
Instructor in Zoölogy.

MAUDE GILCHRIST,
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[3]ELLEN LOUISE BURRELL, B.A.,
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Tutor in German.

MARY PATTERSON MANLY,
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CORA ELIZABETH EVERETT,
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MRS. HANNAH BRADBURY GOODWIN,
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Teacher of Tonic Sol-Fa and Sight-Singing.

EMMA SUSAN HOWE,
Teacher of Vocal Culture.

School of Art.

IDA BOTHE,

Director of the School of Art.

Drawing and Painting from Life Model.

CHRISTINE LOUISE SMITH,

Drawing from Antique.

SARAH DARRACH,

Drawing from Antique, Water-color Painting.

[1] Arranged, with the exception of the President, in the order of appointment, by classes: Professors, Associate Professors, Instructors, Tutors, other Officers, and Lecturers.

[2] Abroad, on leave of absence.

[3] Absent.

Wellesley College.

WELLESLEY, MASS.

Wellesley College was established in 1875, for the purpose of furnishing young women who desire to obtain a liberal education, such advantages and facilities as are enjoyed in institutions of the highest grade.

By the charter, "the corporation of Wellesley College is authorized to grant such honorary testimonials, and confer such honors, degrees, and diplomas, as are granted or conferred by any University, College, or Seminary of learning in this Commonwealth; and the diplomas so granted shall entitle the possessors to the immunities and privileges allowed, by usage or statute, to the possessors of like diplomas from any University, College, or Seminary of learning in this Commonwealth."

The College is undenominational, but distinctively and positively Christian in its influence, discipline, and instruction. The systematic study of the Bible is pursued through all the courses. Daily service is held in the chapel. The Sunday services are conducted by ministers of different denominations.

Wellesley is on the Boston and Albany Railroad, fifteen miles west of Boston. The town is known as one of the most healthful in Massachusetts, and is entirely free from malaria. The College grounds include more than three hundred acres, and give ample opportunity for exercise and recreation. Lake Waban affords a most attractive place for boating and skating.

Two systems of lodging are in use at Wellesley,—the Cottage system and the Hall system. By the latter, acquaintances are more easily made; by the former, many advantages of a home are secured. The main building (arranged in suites of study and sleeping-room) accommodates three hundred and thirty; Stone Hall, with single apartments and four dining-rooms, one hundred and eight; Freeman Cottage, fifty-two; Norumbega Cottage, thirty-nine; The Eliot, thirty; Simpson Cottage, twenty-three; Waban Cottage, eleven. Elevators are in constant use in the Halls. About eighty students find boarding-places in Wellesley village.

The health of the students is considered of primary importance. In the construction of the buildings this has been constantly kept in view. Everything possible has been done to give an abundance of light, sunshine, fresh air, and pure water. All the rooms are thoroughly furnished, and supplied with student-lamps. Fresh air is admitted into the basement, and after being heated by contact with steam-radiators, and charged with moisture by the addition of a prescribed quantity of steam, passes into the rooms through hot-air flues. By means of the registers the temperature is regulated by the students, as they desire. The ventilation is a remarkable success. All the buildings are supplied with hot and cold water. In order to prevent the possibility of harm from impurities in surface water, artesian wells have been driven. The drainage, natural and artificial, is faultless. The main building, Stone Hall, Freeman, Norumbega, and Simpson Cottages are located on hills, and the ground slopes from them in every direction, so that stagnant waters and dampness are impossible.

Two physicians are connected with the College, give their personal attention to the health of the students, and instruct them in the laws of hygiene. A nurse is in constant residence. No charge is made for attendance or medicine except in cases of protracted illness. A hospital, shut off from the rest of the building, is provided for those who need extra care.

Requirements for Admission.

Candidates for admission must be at least sixteen years of age, and must present satisfactory evidence of good moral character and good health, with credentials from their last instructor, or from the institution where they last studied. These certificates must be sent to the President before the student can be received.

No preparatory department is connected with the College.

FOR THE FRESHMAN CLASS IN THE CLASSICAL COURSE.

Candidates must pass satisfactory examinations in the following subjects :—

1. English Language, Literature, and Rhetoric.

Grammar.—Including Analysis and Criticism of Sentences.

Rhetoric.—Including Choice of Words, Construction of Sentences, and Figures of Speech.

For text-book, A. S. Hill's Principles of Rhetoric, Kellogg's Text-book on Rhetoric, or Hart's Composition and Rhetoric, is recommended.

Composition.—On one of three subjects, to be assigned at the time of the examination, covering not less than two pages (foolscap), correct in punctuation, capital letters, spelling and grammar, and showing proficiency in the principles of Rhetoric named above.

In order to meet these requirements, students should have frequent practice in Composition during the last years of the preparatory course. The subjects will be taken from the English Literature required for the year.

The requirements adopted by the Commission of New England Colleges, and accepted by Wellesley for 1889, 1890, 1891, and 1892, are as follows :—

LITERATURE FOR 1889.—Shakespeare's Julius Cæsar and As You Like It; Johnson's Lives of Swift and Gray; Thackeray's English Humorists; Swift's Gulliver's Travels; Gray's Elegy; Miss Austen's Pride and Prejudice; Scott's Marmion and Rob Roy.

LITERATURE FOR 1890.—Shakespeare's Julius Cæsar and Midsummer Night's Dream; Coleridge's Ancient Mariner; Longfellow's Evangeline; Macaulay's Essay on Lord Clive; Thackeray's English Humorists; Webster's First Bunker Hill Oration; Scott's Quentin Durward; George Eliot's Silas Marner; Hawthorne's House of the Seven Gables.

LITERATURE FOR 1891.—Shakespeare's Julius Cæsar and Merchant of Venice; Coleridge's Ancient Mariner; Longfellow's Evangeline; Macaulay's Essay on Lord Clive; Webster's First Bunker Hill Oration; Irving's Alhambra; Scott's Old Mortality; George Eliot's Silas Marner; Hawthorne's House of the Seven Gables.

LITERATURE FOR 1892.—Shakespeare's Julius Cæsar and As You Like It; Scott's Marmion; Longfellow's Courtship of Miles Standish; Addison's Sir Roger de Coverley Papers; Macaulay's Second Essay on the Earl of Chatham; Webster's First Bunker Hill Oration; Irving's Alhambra; Scott's Talisman; George Eliot's Scenes From Clerical Life; Hawthorne's House of the Seven Gables.

2. GEOGRAPHY :—

Guyot's Physical Geography, Parts II. and III., or an equivalent; Modern Geography; Ancient Geography, especially of Greece, Italy, and Asia Minor.

3. HISTORY :—

A brief history of the United States to the close of the Revolutionary War; of Greece to the Peloponnesian War; and of Rome to the close of the first century, A. D. Bible history to the Exodus.

4. MATHEMATICS :—

Arithmetic.—Fundamental Rules, Common and Decimal Fractions, Compound Numbers, Proportion, Percentage, Square and Cube Root, and the Metric System of Weights and Measures.

Algebra.—Through Involution, Evolution, Radicals, Quadratic Equations, Ratio, Proportion, Arithmetical and Geometrical Progression.

Plane Geometry.—As found in Chauvenet, or its equivalent.

Deficiency in preparation has, in a majority of cases, resulted from using elementary text-books; in others, from neglecting to review all the preparatory

mathematics when their study has been for some time discontinued. To meet the first-mentioned cases of failure, we would suggest that Olney's Complete School Algebra should be used as the text-book, and that additional examples drawn from Olney's University Algebra should be given as test-work. When this is not practicable, some *standard University Algebra* should serve as equivalent. Candidates prepared with elementary text-books only, cannot be received on certificate. In Geometry we would recommend Chauvenet's, Wells's, Olney's, Wentworth's, or Newcomb's.

To all who have dropped their mathematical studies for any length of time, we would strongly emphasize the necessity of a careful review of the whole work, with test examinations. We find those candidates most successful whose knowledge of subjects passed over has been frequently tested by written examinations (the exercises proposed being drawn from other sources than the text-book), and who in Geometry have had some exercise in original demonstration.

5. Latin :—

Latin Grammar, including Prosody.

Jones's Exercises in Latin Prose Composition entire, or an equivalent in Arnold, Allen and Greenough, or Harkness.

Cæsar, Gallic War, four books.

Cicero, seven orations.

Virgil, Æneid, six books.

Equivalents in Latin will be accepted; but verse will not be accepted for prose, nor anything in place of Prose Composition. Constant practice in reading at sight is urged. Both the entrance examinations and the conduct of the work in College assume such previous training.

The following suggestions are offered for a four years' course of preparation :—

The first year may be given to Jones's First Lessons in Latin, or the Beginner's Latin Book, Collar and Daniell; the second to Cæsar (four books) and to the first half of Jones's Exercises in Latin Prose Composition; the third year may be given to seven orations of Cicero and the second half of the Prose Composition; and the fourth, to six books of Virgil and the careful study of rules of Prosody, accompanied by such exercises in transposition of verses as will make these rules familiar.

In pronunciation, the following rules are adopted: ā as in father; ă as in fast; ē as in fête; ĕ as in festal; ī as in machine; ĭ as in machination; ō as in holy; ŏ as in wholly; ū as in ruse; ŭ as in puss; c, g, and ch always hard; j like y in you; s as in sill; t as in till; v somewhat softened, like the German w. In diphthongs the sound of each vowel is preserved.

6. Greek :—

Greek Grammar.

Jones's Greek Prose Composition entire, with the accents.

Xenophon, Anabasis, three books.

Homer, Illiad, three books.

The text-books recommended are: for the first year, either Hadley and Allen's Grammar, with Boise's First Lessons in Greek, or Goodwin's Grammar, with White's First Lessons in Greek; for the second and third years, Boise's first three books of Xenophon's Anabasis, Jones's Exercises in Greek Prose, and Boise's, Keep's, or Seymour's Iliad. Attention is invited to the suggestions in the prefaces of the above

books upon the carefully written preparation of exercise work, the oral class drill upon forms and sentences, and the constant use of the blackboard for practice upon forms, and for writing sentences from dictation.

The following pronunciation is recommended: *α* as a in father; *η* as e in prey; *ι* as i in machine; *ω* as o in prone; *υ* as French u. The short vowels should be merely somewhat shorter than the corresponding long vowels; *αι* as ay in aye; *ει* as ei in height; *οι* as oi in oil; *υι* as ui in quit; *αυ* as ou in house; *ευ* as eu in feud; *ου* as ou in youth; *γ* before *κ*, *γ*, *χ*, *ξ* as n in anger, elsewhere hard; *ϑ* as th in thin; *χ*, guttural, as ch in German, *machen*.

Candidates must be prepared to translate at sight both Attic and Homeric Greek of average difficulty.

The teachers of Language in the preparatory schools are urged to insist upon the use of simple and idiomatic English in translation.

Ability to read at sight either easy French or German prose is strongly recommended to all classical students, but is not as yet required.

FOR THE FRESHMAN CLASS IN THE SCIENTIFIC COURSE,

the requirements in English, Geography, History, Mathematics, and Latin are the same as for the Classical Course. Instead of Greek, the candidate must be prepared in either French or German, or both. If French only is presented, she must be prepared upon the following books, or their equivalents :—

Sauveur's Grammar (or any other Grammar in French).
Sauveur's Causeries avec mes Elèves.
Les Fables de La Fontaine.
Six of La Fontaine's Fables committed to memory.
Hennequin's Idiomatic French.
Bôcher's College Plays.
Le Roman d'un Jeune Homme Pauvre by O. Feuillet.
Les Doigts de Fée by Scribe.
Contes Choisis by A Daudet.

The candidate will be expected to be familiar with French grammatical forms and usage, and to have given special attention to composition and conversation. Les Fables de La Fontaine is especially recommended for drill in conversation.

If German only is presented, the student must possess :—

(1) A distinct German pronunciation, which may be acquired at the outset by a course in phonetics; (2) A knowledge of the important rules of elementary grammar, which the student should be able to state in German, and to illustrate by original examples; (3) Ability to understand spoken German, an easy lecture or novel, which will be acquired if German is made the language of the classroom; (4) Fluency in conversation upon simple topics and knowledge of German idioms, which are gained by object lessons according to Pestalozzi's Anschauungs Method and by constant recitation in German; (5) Ability to understand and recite some

short specimens of choice lyric poetry; (6) Ability to translate easy German at sight; (7) Ability to translate easy English into German, to write simple compositions, and to use the German script.

These results can be obtained by the following course, or its equivalents:—

Grammar: Deutsche Grammatik, by Wenckebach-Schrakamp, pp. 1–144 and 209–244.

Prose Composition: German Exercises, by J. Fred Stein, pp. 1–55, written abstracts of lessons in conversation and stories from the Lesebuch.

Reading: Deutsches Lesebuch, by Wenckebach, pp. 1–126 and 154–247, studied according to the directions given in the preface. An easy story for practice in sight reading (*e. g.*, Meissner's Aus meiner Welt), and an easy novel or drama (*e. g.*, Der Neffe als Onkel by Schiller).

Conversation: Deutscher Anschauungs-Unterricht, by Wenckebach, pp. 1–52, 78–82, 91–117, 128–136. Idioms, pp. 315–332 (see preface).

Poetry: Die Schönsten Deutschen Lieder, compiled by Wenckebach; the first five "Volkslieder" and numbers 2, 3, 8, 10, 14, 15, 18, 19, 20, 21, 22, 23, 26, 28, 30, 32, 33, 34, 37, 40, 42, 45, 46, 47, 50, 51, 52, 59, 60, 61, 62, 63, committed to memory.

Equivalents will be accepted only in the same department of work. Thus, Reading will not be accepted instead of Grammar, Poetry instead of Conversation, etc. Candidates for the Freshman Class should not attempt difficult reading, as Maria Stuart, Wilhelm Tell, Nathan der Weise, etc., until they have had a thorough preparation in the different departments of the elementary work equivalent to that stated above.

If both German and French are presented, the first year's course in each (see pp. 29, 30) will be required.

The full preparation in either French or German should cover a period of at least two years, five recitations per week. This work should not be crowded into a shorter time, and should be done under competent teachers.

ADMISSION TO ADVANCED STANDING.

Candidates are admitted to advanced standing on meeting the requirements of the under classes. They must be examined in the required studies previously pursued by the class which they wish to join, and in a sufficient number of electives to give full standing with that class.

Students from colleges of equal requirements may present certificates for the consideration of the Faculty in connection with the examination.

TIMES AND PLACES OF EXAMINATIONS.

Examinations for admission to the Freshman or higher classes may be taken in June or in September. Candidates are permitted to take preliminary examinations in Rhetoric, Geography (Ancient, Modern, Physical), History (Grecian, Roman, United States, Jewish), Arithmetic, Cæsar, and Anabasis (Anabasis and Grammar), in June or September, one year before they enter College; but no account will be made of the preliminary examination unless the candidate has passed satisfactorily in at least six of the twelve subjects.

In June, entrance examinations may be appointed in any city where two or more candidates desire it. Application for these examinations should be made, before April 1st, to the Secretary of the Board of Examiners.

Entrance examinations will be held in the Main Hall at the following times :—

JUNE, 1889.

Tuesday, June 11th.—Ancient Geography, Modern Geography, Greek History, Roman History, Jewish History, United States History, 9 A. M. ; English, 2 P. M. ; Physical Geography, 4. P. M.

Wednesday, June 12th.—Geometry, 9 A. M. ; Arithmetic, 11.30 A. M. ; Algebra, 2 P. M.

Thursday, June 13th.—Greek Grammar, 9 A. M. ; Greek Prose Composition 11 A. M. ; French, 9 to 12 A. M. ; German, 9 to 12 A. M. ; Anabasis, 2. P. M. ; Iliad, 3 P. M. ; French, 2 to 5 P. M. ; German, 2 to 5 P. M.

Friday, June 14th.—Cæsar and Cicero, 9 to 10.30 A. M. ; Prose Composition, 10.30 to 12.30 A. M. ; Virgil and Prosody, 2 P. M.

SEPTEMBER, 1889.

Wednesday, Sept. 11th.—Geometry, 9 A. M. ; Arithmetic, 11.30 A. M. ; Algebra, 2 P. M.

Thursday, Sept. 12th.—Greek Grammar, 9 A. M. ; Greek Prose Composition, 11 A. M. ; French, 9 to 12 A. M. ; German, 9 to 12 A. M. ; Anabasis, 2 P. M. ; Iliad, 3 P. M. ; French, 2 to 5 P. M. ; German, 2 to 5 P. M.

Friday, Sept. 13th.—Cæsar and Cicero, 9 to 10.30 A. M. ; Prose Composition, 10.30 A. M. ; Virgil and Prosody, 2 P. M.

Saturday, Sept. 14th.—Ancient Geography, Modern Geography, Greek History, Roman History, Jewish History, United States History, 9 A. M. ; English, 2 P. M. ; Physical Geography, 4 P. M.

ADMISSION ON CERTIFICATE.

The following regulations have been adopted by the Board of Examiners of Wellesley College : —

1. The application for the admission of a student on certificate must be made by the Principal of the preparatory school, not later than April 1st, for effect before September.

2. The application for the admission of a student must be accompanied by full information with regard to the course of study. For this purpose, Wellesley College provides a blank form, which, when filled out, should be forwarded with a catalogue or circular of the preparatory school.

3. If the first student or students prove satisfactory, the right of certification will be continued for three years.

4. All certificates shall be filled out to show distinctly that the requirements in detail, as published in the current Calendar, have been met. Whenever any variation has been allowed the work done shall be specifically stated and offered as an equivalent, for acceptance or refusal by the Board of Examiners.

5. It is advised that the examinations on which the certificate is based be divided, like those held by the College, into Preliminary and Final. Preliminary examinations, *i. e.*, on Rhetoric, Geography (Ancient, Modern, and Physical), History (Grecian, Roman, United States, and Jewish), Arithmetic, Cæsar, Greek Grammar and the Anabasis, must be held not earlier than fifteen months before entering; examinations on all other studies must be held within a year of entrance.

6. The candidate who has received the certificate of a Principal will not be exempt from the entrance examination in any particular subject, unless her certificate shows that she has satisfactorily accomplished the full amount of work required in that subject. Any student whose certificate is deficient, July 8th, in more than three final or six preliminary subjects, may be refused the privilege to present supplementary certificate or to take examination in the following September.

7. Students who do not propose to continue Latin, German, or French in College, must be prepared to take entrance examinations in these subjects.

8. No one can be admitted who is conditioned in two of the following subjects: Latin, Greek, French, German, and Mathematics. Conditions must be removed within a year after they have been incurred.

9. Certificates of health and of good moral character are required from all students.

10. Meetings of the Board of Examiners for the acceptance of certificates will be regularly held during the second week in July and the second week in September. Certificates cannot be sent in later than July 8th without special permission from the Board of Examiners.

11. All communications concerning entrance examinations and certificates should be addressed to the Secretary of the Board of Examiners, Wellesley College, Wellesley, Mass.

Admission of Special Students.

I. Special opportunities are offered to those who have taught, and who wish to pursue advanced lines of study, and avail themselves of modern methods of instruction and the use of libraries and laboratories.

Such candidates must furnish certificates of character, of health, and of qualifications to pursue in the regular classes the studies which they select; and after admission, must show diligence and scholarship satisfactory to the Faculty, as the condition of their continuance in the College. They may take such studies as they prefer in any of the College classes, giving their whole time, if they wish, to a single branch. Thus, one may choose one of the ancient or one of the modern languages, or mathematics, or one of the sciences, or history, or literature, and give all her strength to that study, reciting daily in three different classes. It is desirable, however, that those who wish to devote their time to science, should spend two years at the College, and select their courses and classes accordingly. A special course of instruction in the use of the compound microscope is given.

Spécial lectures may also be expected from educators of experience and repute, and a course on the Art and Science of Teaching is given by one of the Professors (see p. 38, xvi).

II. Other candidates for special courses must be at least eighteen years of age, and must present satisfactory certificates of character, of health, and of ability to pursue in the regular classes the studies which they select. *None will be admitted who have not taken an amount of work equivalent to that required for admission to the Freshman class* (see p. 14). Ten class exercises per week is the minimum, and seventeen the maximum, amount of work allowed. The studies chosen are subject to the approval of the President, or the board of Advisers.

After candidates for the Freshman Class and graduate-students have been received, special students will be accepted, so far as the accommodations of the College will allow. Definite answer to such applications will be given, if possible, as *early as the first of August;* but to fill vacancies, candidates are received at any time.

Any student who honorably completes a prescribed group of courses in two or more Departments, may become a candidate for a Certificate. Special students are not candidates for degrees.

Degrees.

Students who complete the Classical Course will, on the recommendation of the Council, receive the degree of Bachelor of Arts.

Students who complete the Scientific Course will, on recommendation of the Council, receive the degree of Bachelor of Science.

The degree of Bachelor of Music will be granted upon the conditions stated under the head of School of Music.

The degrees of Master of Arts and Master of Science will be granted upon the conditions stated under the head of Graduate Instruction (see p. 27).

Courses of Study.

The Classical and Scientific Courses of the College extend through four years; those in Music and Art through five. Satisfactory scholarship will be required in every subject as the condition of advancement, or of the attainment of a degree. In the Freshman year all the studies are required, except that Latin in the Scientific Course may take the place of one modern language.

After the Freshman year, opportunity for specialization is afforded by elective work throughout the remainder of the course. All candidates for a degree must take, in addition to the required studies, a sufficient number of electives to give thirteen exercises per week during the Sophomore, and fifteen during the Junior and Senior years. Eighteen exercises per week may be allowed, in exceptional cases, by vote of the Academic Council.

The College reserves the right to withdraw the offer of any elective study not chosen by at least six students. In the following courses of study are printed only those electives in which classes have been instructed within the last two years.

Hitherto free instruction in Art has been given in the Art Course to those who entered the *Freshman Class* in the *Classical Course unconditioned*. This privilege will be withdrawn after the present college year.

Courses of Study for 1888-89.

FRESHMAN YEAR.

CLASSICAL COURSE.		SCIENTIFIC COURSE.	
LATIN :—	*4	MATHEMATICS :—	4
Prose Composition.		Solid and Spherical Geometry (Chauvenet).	
Letters of Cicero : selected.		Advanced Algebra (Olney).	
Livy, book XXI., XXII. (in part).		Plane Trigonometry (Chauvenet).	
Tacitus : Germania and Agricola.			
GREEK :—	4	FRENCH† :—	3
Plato : Apology and Crito.		History of French Literature to the Seventeenth Century, by Demogeot; selections from English writers into French.	
Herodotus : selections.		Reading of two Classic Plays, Grammar, and Composition.	
Odyssey : selections.			
MATHEMATICS :—	4	GERMAN† :—	3
Solid and Spherical Geometry (Chauvenet).		Schiller's Life and Works; History of the German Language; Grimm's Law of Transmutation.	
Advanced Algebra (Olney).		Poetry; Grammar; Conversation.	
Plane Trigonometry (Chauvenet).			
LITERATURE :—	1	CHEMISTRY :—	3
Lectures on Nineteenth Century Authors.		Theoretical Chemistry.	
		Study of Elements and their important compounds, with laboratory practice throughout the year.	
DRAWING :—	1	LITERATURE :—	1
Drawing from casts, Geometrical, Perspective.		Lectures on Nineteenth Century Authors.	
CHRISTIAN ETHICS :—	1	DRAWING :—	1
		Drawing from casts, Geometrical, Perspective.	
BIBLE :—	1	CHRISTIAN ETHICS :—	1
History of the Jewish Church.			
		BIBLE :—	1
ELOCUTION :—	1	History of the Jewish Church.	
PHYSIOLOGY AND HYGIENE :—		ELOCUTION :—	1
Eight Lectures.		PHYSIOLOGY AND HYGIENE :—	
		Eight lectures.	

*Numerals indicate the number of class exercises per week.

† Ability to read at sight easy prose in French and German is required of every candidate for the degree of B.S. After this knowledge is attained, and, in addition, three courses in one or both languages have been pursued, Latin may be substituted for any further work in modern languages.

SOPHOMORE YEAR.

CLASSICAL COURSE.

REQUIRED.

CHEMISTRY:— 3
Theoretical Chemistry.
Study of Elements and their important compounds, with laboratory practice.

LITERATURE:— 1
History of English Literature.

RHETORIC:— 1
Structure of the Essay.
Narration, Description.
Exposition.
Exercises and six Essays.

BIBLE:— 2
History of the Jewish Church.

ELECTIVES.

LATIN:— 3
Horace: Odes, Satires, and Epistles, selected.
Prose Composition.
Letters of Pliny, selected.

GREEK:— 3
Greek Prose Composition.
Demosthenes: selected Orations.

MATHEMATICS:— 3
Theory of Equations.
Analytical Geometry (Puckle).

POLITICAL HISTORY OF ENGLAND: First semester. 3

HISTORY OF UNITED STATES: Second semester. 3

FRENCH*:— 3

GERMAN*:— 3

SCIENTIFIC COURSE.

REQUIRED.

MATHEMATICS:— 3
Theory of Equations.
Analytical Geometry (Puckle).

LITERATURE:— 1
History of English Literature.

RHETORIC:— 1
Structure of the Essay.
Narration, Description.
Exposition.
Exercises and six Essays.

BIBLE:— 2
History of the Jewish Church

ELECTIVES.

FRENCH:— 3
Literature of the Seventeenth Century, by Demogeot.
Selections from chief authors of the Century read and criticised.
Selections from English into French.
Essays and Lectures.

GERMAN:— 3
Goethe's Life and Works.
History of German Literature.
Don Carlos; German Mythology and Mediæval Epics.
Poetry; Essays.

MINERALOGY: Second semester. 3

LITHOLOGY: Second term. 3

GEOLOGY: First semester. 3

QUALITATIVE ANALYSIS:— 3

BOTANY†:— 3
General Morphology; Principles of classification; Elementary Vegetable Physiology, with laboratory work and preparation of herbarium.

ZOÖLOGY†:— 3
Anatomy of Invertebrates: First semester.
Anatomy and Embryology of Vertebrates: Second semester.

POLITICAL HISTORY OF ENGLAND: First semester. 3

HISTORY OF UNITED STATES: Second semester. 3

*Since the Modern Languages are elective throughout the Classical Course, students can begin the study of French and German here, or can join any advanced class for which they are fitted. For work, see Scientific Course and "Courses of Instruction."

†Students in the Scientific Course must elect one year's study of either Botany or Zoölogy before graduating.

JUNIOR YEAR.

CLASSICAL COURSE.

REQUIRED.

- PHYSICS :— 3
  Experimental Lectures on Mechanics, Electricity, Sound, Radiant Energy, with laboratory practice throughout the year.
- LOGIC : First semester. 2
  Formal Principles of Inference.
  Exercises in Argumentation and Criticism.
- HISTORY : First semester. 2
  History of Civilization, with lectures and library work.
- HISTORY : Second semester. 3
  History of Civilization, with lectures and library work.
- RHETORIC : see Scientific Course. 1
- BIBLE :— 2
  Study of the Prophecies and the Life of Christ.

ELECTIVES.*

- LATIN :— 3
  Plautus, Terence : select plays.
  Juvenal : select satires; Cicero : De Natura Deorum.
- GREEK :— 3
  Thucydides : selections; Euripides : Alcestis.
- MATHEMATICS :— 3
  Differential and Integral Calculus, with applications (Rice and Johnson).
- BOTANY : see Scientific Course, Sophomore year. 3
- MEDICAL BOTANY :— 3
- ZOÖLOGY :— 3
  Anatomy of Invertebrates : First semester.
  Anatomy of Vertebrates : Second semester.
  Lectures and laboratory work throughout the year.
- QUALITATIVE ANALYSIS :— 3
- MINERALOGY : Second semester. 3
- LITHOLOGY : Second term. 3
- GEOLOGY : First semester. 3
- FRENCH : see Scientific Course. 3
- GERMAN : see Scientific Course. 3
- ITALIAN :— 3
  Perini's Grammar : Oral Exercises.
  Reader : Dall 'Ongaro Novelle.
- ELOCUTION :— 3
- HISTORY OF ART :— 3
- ENGLISH LITERATURE :— 3
- GREEK TESTAMENT :— 1
- INTRODUCTION TO PHILOSOPHY :— 3
- PSYCHOLOGY, ETHICS, MORAL PHILOSOPHY. 3
- PSYCHOLOGY AND METAPHYSICS :— 3
- HISTORY OF MODERN EUROPE :— 3
- POLITICAL ECONOMY :— 3
- MUSICAL HISTORY, THEORY AND COMPOSITION :— 3
- PEDAGOGICS :— 3

SCIENTIFIC COURSE.

REQUIRED.

- PHYSICS :— 3
  Experimental Lectures on Mechanics, Electricity, Sound, Radiant Energy, with laboratory practice throughout the year.
- LOGIC : First semester. 2
  Formal Principles of Inference.
  Exercises in Argumentation and Criticism.
- HISTORY : First semester. 2
  History of Civilization, with lectures and library work.
- HISTORY : Second semester. 3
  History of Civilization, with lectures and library work.
- RHETORIC :— 1
  Review of the qualities of style; Structure of the Essay; Narration; Description; Exposition.
  Exercises and six essays.
- BIBLE :— 2
  Study of the Prophecies and the Life of Christ.

ELECTIVES.*

- MATHEMATICS :— 3
  Differential and Integral Calculus, with applications (Rice and Johnson).
- FRENCH :— 3
  Paul Albert's Literature of the Eighteenth Century.
  One of Macaulay's Essays from English into French.
  Reading of Classics, with Essays and Criticism.
- GERMAN :— 3
  Goethe's Faust, Parts I. and II.
  History of Literature : Kunstepos, Minnesänger, Meistersänger, Hans Sachs, Klopstock, Wieland, Lessing.
  Poetry; Essays.
- LATIN : see Classical Course. 3
- ITALIAN :— 3
- BOTANY :— 3
  Cryptogamic Botany.
  Advanced systematic and Economic Botany.
- MEDICAL BOTANY :— 3
- ZOÖLOGY :— 3
  Anatomy, Histology, and Physiology of the Mammalia, with especial reference to that of man.
- QUANTITATIVE ANALYSIS :— 3
- MINERALOGY : Second semester. 3
- LITHOLOGY : Second term. 3
- ASTRONOMY : Second semester. 3
- GEOLOGY : First semester. 3
- INTRODUCTION TO PHILOSOPHY :— 3
- PSYCHOLOGY, ETHICS, MORAL PHILOSOPHY :— 3
- PSYCHOLOGY AND METAPHYSICS :— 3
- ELOCUTION :— 3
- HISTORY OF ART :— 3
- ENGLISH LITERATURE :— 3
- HISTORY OF MODERN EUROPE :— 3
- POLITICAL ECONOMY :— 3
- GREEK TESTAMENT :— 1
- MUSICAL HISTORY, THEORY AND COMPOSITION :— 3
- PEDAGOGICS :— 3

*In the Junior year any of the electives offered in Sophomore year may be taken.

SENIOR YEAR.

CLASSICAL COURSE.

REQUIRED.

- PSYCHOLOGY, ETHICS, MORAL PHILOSOPHY, 3
  OR PSYCHOLOGY AND METAPHYSICS: 3
- RHETORIC:— 1
  Lectures on Style, Study of Style in Prose and Verse—five essays.
- BIBLE:— 2
  History of the Apostolic Church.

ELECTIVES.*

- LECTURES ON CHRISTIAN EVIDENCES:— 1
- SPECULATIVE PHILOSOPHY:— 3
- HISTORY OF PHILOSOPHY:— 3 or 6
- LATIN:—
  Lucretius; Quintilian: Book X.; Cicero: rhetorical and philosophical works. 3
  Lyric, Idyllic, and Elegiac Poetry. 3
- GREEK:— 3
  Æschylus: Prometheus; Sophocles: Antigone; selected dramas.
- GREEK (Fifth-year course):— 3
  Selections from Plato; from the Greek Drama; from Lyric Poetry.
- MATHEMATICS: see Scientific Course. 3
- ANALYTICAL MECHANICS:— 3
- THEORETICAL ASTRONOMY (Watson): 3
  Determination of Orbits.
- PHYSICS:— 3
  Laboratory work in Heat, Light, and Electricity, with lectures and library references.
- ASTRONOMY, PHYSICAL: Second semester, 3
- MINERALOGY: Second semester. 3
- LITHOLOGY: Second term. 3
- GEOLOGY: First semester. 3
- QUALITATIVE ANALYSIS:— 3
- QUANTITATIVE ANALYSIS:— 3
- BOTANY:—
  Cryptogamic Botany. 3
  Advanced Systematic, and Economic Botany. 3
- ZOÖLOGY:— 3
  Anatomy, Histology, and Physiology of the Mammalia with especial reference to that of man.
- CONSTITUTIONAL HISTORY:— 3
  England: First semester.
  United States: Second semester.
- HISTORY OF ORIENTAL CIVILIZATION:—3
- POLITICAL SCIENCE:— 2
- ENGLISH LITERATURE:— 3
- FRENCH:— 3
- GERMAN:— 3
- GOTHIC, OLD HIGH AND MIDDLE HIGH GERMAN:— 3
- ANGLO-SAXON: Sweet's Grammar and Reader, Beowulf. 3
- ITALIAN OR SPANISH:— 3
- GREEK TESTAMENT:— 1
- HEBREW:— 3
- ELOCUTION:— 3
- HISTORY OF ART:— 3
- PEDAGOGICS:— 3

SCIENTIFIC COURSE.

REQUIRED.

- PSYCHOLOGY, ETHICS, MORAL PHILOSOPHY, 3
  OR PSYCHOLOGY AND METAPHYSICS: 3
- RHETORIC:— 1
  Lectures on Style, Study of Style in Prose and Verse—five essays.
- BIBLE:— 2
  History of the Apostolic Church.

ELECTIVES.*

- LECTURES ON CHRISTIAN EVIDENCES:—1
- SPECULATIVE PHILOSOPHY:— 3
- HISTORY OF PHILOSOPHY:— 3 or 6
- MATHEMATICS:— 3
  Determinants (Dostor); Analytical Geometry of three dimensions (Aldis); Modern Analytical Geometry (Whitworth).
- ANALYTICAL MECHANICS:— 3
- THEORETICAL ASTRONOMY (Watson): 3
  Determination of Orbits.
- FRENCH:— 3
  Paul Albert's Literature of the Nineteenth Century.
  Early French, from the Tenth to the Fifteenth Centuries, by Charles Aubertin, translated into modern French.
  Essays, Letters, Criticisms, Lectures.
- GERMAN:— 3
  History of Literature: Herder, Jean Paul.
  Poets of the Nineteenth Century.
  Medea, Uriel Acosta, Harald.
- GOTHIC, OLD HIGH AND MIDDLE HIGH GERMAN:— 3
- LATIN: see Classical Course. 3
- PHYSICS: see Classical Course. 3
- BOTANY:—
  Vegetable Histology and Physiology. 3
  Medical Botany:— 3
- ZOÖLOGY:—Systematic Zoölogy. 3
- ASTRONOMY, PHYSICAL: Second semester. 3
- MINERALOGY: Second semester. 3
- LITHOLOGY: Second term. 3
- GEOLOGY: First semester. 3
- QUANTITATIVE ANALYSIS:— 3
- CONSTITUTIONAL HISTORY:— 3
  England: First semester.
  United States: Second semester.
- HISTORY OF ORIENTAL CIVILIZATION:—3
- POLITICAL SCIENCE:— 2
- ENGLISH LITERATURE:— 3
- ANGLO-SAXON:— 3
  Sweet's Grammar and Reader, Beowulf.
- HEBREW:— 3
- ITALIAN OR SPANISH:— 3
- ELOCUTION:— 3
- HISTORY OF ART:— 3
- PEDAGOGICS:— 3

* In the Senior year any electives offered in previous years may be taken.

Graduate Instruction.

GRADUATES of Wellesley, and of other institutions of equal rank, may pursue studies at the College, whether they make application for a higher degree or not. Graduate students in residence are given personal direction and special opportunities for study. They are subject to such regulations only as may be prescribed for them by the Academic Council.

Non-resident students who are applicants for a second degree, will pay a matriculation fee of ten dollars, and a final fee of twenty-five dollars upon receiving the Master's degree.

The Council will recommend for the degrees of Master of Arts and Master of Science, those who hold the corresponding first degree, and, in addition, present the result of two full years of study, taken under the direction of a special committee of the Council.

The second degree can in no case be taken earlier than two years after the first, and graduates of other colleges must spend one of these years in residence at Wellesley. Wellesley graduates may take their entire graduate course in non-residence, but in this case they must be under instruction specially approved by the Council, or must spend at least three years in obtaining the degree.

At least two months before taking the degree, the candidate must present a thesis or pass a satisfactory examination upon the completed work.

Courses of Instruction.

THE following Courses of Instruction are offered by the several departments, those from which undergraduates are excluded being marked with brackets. Unless otherwise stated, each course extends throughout one year, three hours a week.

I. THE CLASSICS.*

1. GREEK.

1. Plato: Apology and Crito; Herodotus (selections); Odyssey (selections). One year, four hours a week.
2. Greek Prose Composition. Demosthenes (selected orations).

*SCHOOL OF CLASSICAL STUDIES AT ATHENS.—This College has become a contributor to the support of the American School of Classical Studies at Athens. The school affords facilities for archæological and classical investigation and study in Greece, and graduates of this College are entitled to all its advantages without expense for tuition.

3. Thucydides (selections); Euripides: Alcestis.
4. Æschylus: Prometheus; Sophocles: Antigone, selected Dramas.
5. Selections from Plato; from the Drama; from Lyric Poetry.

Greek Testament.

1. Text-study on the Gospels, with lectures. One year, two hours a week.
2. Text-study on the Acts and Epistles, with lectures. One year, two hours a week.

II. LATIN.

1. Prose Composition; Letters of Cicero, selected; Livy: Book XXI., and selections from XXII.; Tacitus; Germania and Agricola. One year, four hours a week.
2. Horace: Odes, Satires, and Epistles, selected; Prose Composition; Letters of Pliny, selected.
3. Plautus, Terence: select plays; Juvenal: select satires; Cicero: De Natura Deorum.
4. Lucretius: Quintilian, Book X.; Cicero: rhetorical and philosophical works.
5. Lyric, Idyllic, and Elegiac Poetry.

Classical students are instructed in the Literature, History, Mythology, Archæology, and Art of Greece and Rome. They have unrestricted use of numerous works of reference and illustration, together with the latest and best German, French, and English editions of the classics. There is, also, a large collection of copies in plaster and sulphur, from antique coins, medals, and gems, for the illustration of Classical Studies and Ancient History.

III. HEBREW.

Introductory Hebrew Method and Elements of Hebrew (Harper); Text-study and sight Translation; Selections from the Historical Books and from the Psalms; Hebrew Syntax (Harper).

IV. SANSKRIT.

[Whitney's Sanskrit Grammar; Reading at sight; Lanman's Reader; Lectures. One year, two hours a week.]

II. MATHEMATICS.

1. Solid and Spherical Geometry (Chauvenet); Advanced Algebra; Plane Trigonometry (Chauvenet). One year, four hours a week.
2. Theory of Equations; Analytical Geometry (Puckle).
3. Differential Calculus (Rice and Johnson); Applications of Differential Calculus (Rice and Johnson); Integral Calculus, with applications (Johnson).

4. Determinants (Dostor); Analytical Geometry of three Dimensions (Aldis); Modern Analytical Geometry (Whitworth).
5. Analytical Mechanics.
6. Spherical Trigonometry (Chauvenet); Theoretical Astronomy (Watson); Determination of Orbits.
7. [Differential Equations (half course).]
8. [Quaternions.]
9. [Method of Least Squares; Perturbations.]

III. GERMAN LANGUAGE AND LITERATURE.

I. MODERN GERMAN.

1. Grammar: Deutsche Grammatik, by Wenckebach-Schrakamp, pp. 1–88.
   Conversation: Deutscher Anschauungs-Unterricht, by Wenckebach, pp. 1–36 and pp. 315–320.
   Reading: Deutsches Lesebuch, by Wenckebach, pp. 1–108.
   Poetry: Die Schönsten Deutschen Lieder, compiled by Wenckebach, Nos. 2, 3, 8, 10, 14, 15, 18, 19.

These text-books in Grammar, Conversation, Reading, and Poetry will be used also in the following courses:—

2. Grammar: pp. 88–144 and pp. 209–244. Stein's German Exercises. Conversation, pp. 36–52, pp. 78–82, pp. 91–117, and pp. 321–332. Reading, pp. 108–126 and pp. 154–247. Meissner's Aus meiner Welt. Poetry, pp. 7–18 and the first five Volkslieder.

A double elective (six hours a week) in German, covering the amount of Courses 1 and 2, is offered to students who wish to make more rapid progress in German.

3. Schiller' life and works are made the subjects of Lectures and Recitations; History of the German Language, and Grimm's Law of Transmutation, according to Deutsches Lesebuch, pp. 227–350; Psychology, according to Deutscher Anschauungs-Unterricht, pp. 162–209; Grammar, pp. 106–208 and 245–276; Conversation, pp. 332–352; Fred. Stein's German Exercises, pp. 56–114; Letter Writing; Poetry.
4. Goethe's life and works; Don Carlos; History of German Literature: Germanic Mythology, according to the Edda; Ulfilas, Hildebrandslied, Heliand, Krist, Nibelungenlied, Gudrun, according to Scherer's, König's, and Roquette's Literaturgeschichte, Max Müller's German Classics, Scherr's Germania, Könnecke's Bilderatlas zur Literaturgeschichte; Poetry, Essays.
5. Goethe's Faust, Parts I. and II. (Schrör's edition); Lectures on the History of mediæval and modern Civilization. History of Literature: Wolfram von Eschenbach, Gottfried von Strassburg,

Walther von der Vogelweide, Minnesänger, Meistersänger, das Volkslied, Hans Sachs, Fischart, Klopstock, Wieland, Lessing. Selections from Parcival, Tristan and Isolde, Messias, Oberon, Nathan der Weise, Erziehung des Menschengeschlechts (text-books as in Course 4) ; Poetry ; Essays.

6. History of German Literature : Herder, Jean Paul, die Romantische Schule, Uhland, Rückert, Chamisso, Lenau, Grillparzer, Hebbel, Heine, Gutzkow etc., Grillparzer's Medea, Gutzkow's Uriel Acosta, Wildenbruch's Harald. Selections from der Cid, Titan, Levana, Phantasus, Zopf und Schwert, Harzreise, Ingo und Ingraban, Ekkehard. Text-books as in Course IV., and Salomon's and Gottschall's Literaturgeschichte des 19ten Jahrhunderts ; Lectures and Recitations on Astronomy, Geology, and the History of Primeval Civilization. Students of V. and VI. Courses will also give Lectures in German on literary and scientific subjects.

II. GOTHIC, OLD HIGH GERMAN, MIDDLE HIGH GERMAN.

Ulfilas ; Braune's Althochdeutsches Lesebuch ; Das Nibelungenlied ; Epic Poets of the Twelfth and Thirteenth Centuries ; Walther von der Vogelweide ; Minnesang ; Meistersang ; Rise of the Drama ; Prose Literature of the Fourteenth and Fifteenth Centuries ; Volkslieder ; Luther.

Lectures in German on the origin of language, and the development and growth of the present New High, or Modern German.

Professor and class work together, after the German University Seminar method.

Selections from German Literature from the ninth to the sixteenth centuries are read and discussed. In all cases works are studied in their original form, and not in Modern German translations. The college possesses a large, well-selected Germanistic library.

IV. ROMANCE LANGUAGES AND LITERATURES.

I. FRENCH.

1. Causeries avec mes Elèves, and Petite Grammaire pour les Anglais, by L. Sauveur ; six fables of La Fontaine committed to memory, and made the subject of conversations ; Bôcher's College Plays ; Le Roman d'un Jeune Homme Pauvre, by O. Feuillet ; Les Doigts de Fée, by Scribe.

A double elective in the reading of scientific French Prose is offered to students who wish to make science their object. This class meets six times a week, but can be divided by arranging with the Professor of the department. Text-books : French Drill, by A. Aubert ; Normal Series, French Popular Science, by Jules Luquiens ; L'Année Scientifique et Industrielle, by Louis Figuier.

2. Petite Grammaire pour les Anglais, concluded; Hennequin's Lessons in Idiomatic French, with written and oral exercises; Mme. Alliot's Auteurs Contemporains; Athalie, by Racine; Le Cid, by Corneille; Les Fables de La Fontaine.

3. Demogeot's Histoire de la Littérature Française, jusq'au XVII^e Siècle; selections into French from A. Mariette's Half-hours of French Translation; Grammaire de la Troisième Année, by Larive et Fleury; two classic plays, *e. g.*, Le Cid, Les Femmes Savantes, Andromaque Athalie.

4. Demogeot's Histoire de la Littérature Française, XVII^e Siècle; selections from English into French; reading and criticism of selections from Descartes, Pascal, the Port Royalists, Corneille, Racine, Molière, La Bruyère, Mme. de Sévigné, Mme. de La Fayette, Bossuet, Fénélon; essays, criticisms, and lectures.

5. La Littérature Française du XVIII^e Siècle, by Paul Albert; one of Macaulay's Essays from English into French; reading of classics; essays and criticisms; lectures by the Instructor and the students.

6. La Littérature Française du XIX^ieme Siècle, by Paul Albert, Jules Lemaître, Sainte-Beuve, etc.; reading and criticisms of the Romantic School, especially André Chenier, Chateaubriand, Mme. de Staël, Victor Hugo, Lamartine, Alfred de Musset, A. de Vigny, George Sand, etc.; Old French and French Literature in the Middle Ages; Outlines of Provençal Troubadour Literature; Elements of Romance Philology; Morceaux Choisis des Auteurs Français du Moyen-Age, by Clédat; la Littérature Française au Moyen-Age and Extraits de la Chanson de Roland, by Gaston Paris.

Exercises in prose, composition, translation, and dictation are given throughout the course. French text-books are used, and recitations are conducted entirely in French. Students are taught to converse correctly and idiomatically in the classroom, and at the French tables.

II. ITALIAN.

First year.—Italian Grammar, by C. H. Grandgent, oral exercises; reader, Dall'Ongaro Novelle.

Second year.—Grammar and Reader completed; Prose Composition, Narration, Dictation; Manzoni's I Promessi Sposi; reading at sight from Italian authors.

III. SPANISH.

Grammar and Reader, oral exercises, reading at sight.

V. ENGLISH LANGUAGE AND LITERATURE.

I. RHETORIC AND ENGLISH COMPOSITION.

1. Genung's Practical Rhetoric; Review of the Qualities of Style; Structure of the Essay; Laws of Narration, Description, and Exposition, with brief papers illustrating the principles studied. In addition to these papers, six essays are required during the year. One hour a week, one year.
2. Studies of Argumentation, with Lectures on Oral and Written Discourse. Four debates and three essays are required. One hour a week, one year.
3. Lectures on Style; Spencer's Philosophy of Style; Critical Analysis of Selections in Prose and Poetry. Four essays are required on literary, historical, and philosophical themes. One hour a week, one year.

An elective course in Rhetoric and Composition is also arranged for those students who do not enter the regular classes.

II. ENGLISH LANGUAGE.

1. Anglo-Saxon: Sweet's Grammar and Reader; Beowulf, and selections from other Anglo-Saxon poems.
2. Middle English Period: Sweet's Middle English Primers; Morris and Skeat's Specimens of Early English Literature; History of the English Language to the time of Chaucer.

III. ENGLISH LITERATURE.

1. Lectures on Nineteenth Century Authors. One hour a week.
2. History of English Literature. One hour a week.
3. History of American Literature. Spring term, one hour a week.
4. English Prose to the Nineteenth Century.
5. English Prose of the Nineteenth Century.
6. Epic and Lyric Poetry to the Nineteenth Century.
7. Epic and Lyric Poetry of the Nineteenth Century.
8. Chaucer. Second half-year.
9. Dramatic Literature (the English Drama).

Special Courses for the study of English Translations of Homer and Dante are arranged, and will be given if a sufficient number of students wish to form a class.

No class text-books are used. Instruction is given by lectures, text study, and by topics, the elaboration of which is made dependent upon constant and thorough use of the College Library.

Satisfactory evidence of preparation must be given by candidates who wish to elect the advanced courses.

A large Shakespeare Library has been formed to encourage the study of this author.

VI. HISTORY OF ART.

1. Early Christian Art; Architecture of Ravenna; Byzantine Art, The Romanesque Style; The Art of Illumination; Gothic Architecture; The Work of the Goldsmiths; Mediæval Sculpture and Painting. First semester.
2. Renaissance Architecture and Sculpture; Early Renaissance Painting; Engraving and Miniature Painting; The Schools of Siena, Tuscany, Umbria, and Padua; Leonardo da Vinci; Michelangelo; Raphael. Second semester.
3. Sebastian del Piombo; Giulio Romano; Venetian Painters; Correggio; The Schools of Bologna, Rome, and Naples; Renaissance Sculptors; Baroque and Roccoco Architecture; Spanish Painters. First semester.
4. The Brothers Van Eyck; Martin Schongauer; Albert Dürer; The Little Masters of Germany; Lucas Cranach; Hans Holbein; German Sculptors; The Flemish and Dutch Painters; English Painters of the Eighteenth Century. Second semester.

Lectures with laboratory work.

Laboratory exercises consist in examination and study of the reproductions of art works used to illustrate the different subjects.

The valuable Art Library and collection of unframed pictures are arranged in the Art Rooms, and made especially accessible to the students who elect this course.

VII. HISTORY AND POLITICAL SCIENCE.

1. Political History of England and the United States: England, first semester; United States, second semester. Lectures and library work.
2. History of European Civilization: early mediæval history twice a week first semester; later mediæval history and the Reformation, three times a week second semester. Lectures and library work.
3. History of Modern Europe, throughout the year. Lectures and library work. Twice a week the first semester, three times a week the second semester.
4. Constitutional history of England and United States: England, first semester, library studies with Coman's Outlines; United States, second semester, library studies with Hart's Outlines.
5. History of Oriental Civilization, throughout the year. Lectures and library studies.
6. Political Science: lectures on Grecian and Roman methods of government, twice a week, first semester; Lectures on the history of political institutions, twice a week, second semester.

VIII. POLITICAL ECONOMY.

1. Economic Science, first semester. Authorities, Mill, Marshall, Walker.
2. Economic and Social Problems, second semester. Lectures and special investigation.

IX. MENTAL AND MORAL PHILOSOPHY.

1. Principles of Christian Ethics. One hour a week, one year.
2. Scripture Studies in Ethics and Moral Philosophy. Two hours a week, one year.
3. Introduction to Philosophy.
4. Logic: Formal principles of Inference; Exercises in Argumentation and Criticism. Two hours a week, one half-year.
5. Pyschology, Ethics, Moral Philosophy.
6. Pyschology and Metaphysics.
7. History of Philosophy. Outline of the Development of Thought in Europe.
8. Speculative Philosophy, Theism, History of Religions.
9. *History of Philosophy: Special study of great epochs.

X. CHEMISTRY AND MINERALOGY.

1. Lectures on General and Theoretical Chemistry, with laboratory work and chemical problems.

This course is intended to familiarize the student with the important properties of the elements, principally the non-metallic ones, and their compounds, with their modes of preparation and with such tests as shall lead up to the study of systematic Qualitative Analysis; also to present the laws governing chemical reactions, the meaning of chemical equations, and the more recent theories adopted in the science.

All of the more simple experiments are performed by the student herself in the laboratory.

2. Qualitative Analysis. Two terms.
   Organic Chemistry. One term.

This course supplements Course 1 by presenting the properties and reactions of the metallic elements. Practical methods of separating and recognizing the elements present in simple mixtures are also taught, and progress of the student is constantly tested by determination of unknown compounds.

The third term of this year is occupied with the elements of orgamic chemistry. The course is necessarily brief, and is devoted to the study of the characteristics of the most common classes of the carbon compounds, these characteristics being illustrated in the laboratory by the behavior of some well-known representative of each class.

3. Quantitative Analysis.

In this course both volumetric and gravimetric methods are used, and the student is taught to estimate quantitatively as many of the common elements as the time will permit.

*This course will be offered for the first time in 1889–90.

4. Mineralogy and Lithology. One semester.

The determination of minerals by chemical tests is first studied, Brush's Blowpipe Analysis being used as a text-book. This is followed by work in descriptive Mineralogy and Lithology, in which the characteristics necessary for identification of the most common rocks and minerals are studied, and the appearance of the important rock-forming minerals under the microscope and polariscope, together with the more recent methods of studying rock sections, are briefly noticed.

XI. GEOLOGY.

1. Geology. First semester.

The course is divided into three parts. In the first part the work of streams, glaciers, volcanoes, and other agents in modifying the features of the earth are considered. This study furnishes the key for the interpretation of the records of the past. In the second part these records are found in the structure of the earth's crust, and thus the stratifications, foldings, mineral-veins, etc., claim the attention. The third part closes the course with a general survey of the physical history of the earth and its past inhabitants as revealed in the rocks, and interpreted by the events of the present.

The instruction combines lectures with the use of a text-book, readings, and recitations. Specimens, maps, models, diagrams, and lantern-slides are employed for illustrations. Occasional walks with the instructor in the vicinity are arranged as weather and the other duties of the students permit.

XII. PHYSICS AND ASTRONOMY.

1. Lectures in Physics with class exercises and problems twice a week; quantitative laboratory experiments once a week.

The laboratory experiments are arranged to acquaint the student with exact measuring instruments, to verify the most important laws, and to teach some mathematical and graphical methods of discussing the results of observations.

2. More advanced laboratory work in Heat, Light, and Electricity, accompanied by lectures and reference work in the physical library.

Work in Heat includes experiments in thermometry, calorimetry, measurements of expansions, study of radiant heat; that in Light includes photometry, photography, measurement of indices of refraction, mapping of spectra, study of the phenomena and theory of color and polarized light, measurement of wave lengths; that in Electricity includes the study of the absolute system of electrical units, and the derived legal units theoretically and experimentally, the laws of electro-magnetic and magneto-electric induction and applications.

Instruction is given in the various departments of lantern projection, and there is frequent opportunity to present a new subject in the form of a lecture with illustrations before the class.

3. Construction of electrical instruments, with additional readings in Physics. One term.

4. Meteorology. One term.*

*This course will be offered for the first time in 1889-90.

Under the direction of the department of Physics, the daily observation of the local phenomena of the weather are taken and reported. The instruments used are the standard Signal Service thermometers in a shelter, a rain-gauge, a self-registering barograph of Richard Frères, and self-registering thermometer, anemometer, and anemoscope of Draper.

5. Physical Astronomy. One semester.

The lectures are accompanied by frequent observations of the heavens with a four and one-half inch telescope. Spectroscopic astronomy is illustrated by laboratory work with the sun-spectrum and the spark-spectrum, sufficient to show some of the methods of the new astronomy.

A knowledge of mathematics at least through plane trigonometry is necessary for all the foregoing courses.

XIII. BOTANY.

1. General Morphology and Principles of Classification. Exercises in Elementary Vegetable Physiology during fall and winter terms. An herbarium of fifty species.
2. Cryptogamic Botany. Study of types of all the more important groups of flowerless plants, preceded by a brief course in elementary Vegetable Histology.
3. Systematic Botany, advanced work. Special study of the more difficult orders; determination of dried plants; report upon flora of some assigned locality. One semester. Economic Botany. Investigation of the useful products of plants. One semester.
4. Medical Botany.

This course includes microscopical examination of the typical and important roots, rhizomes, stems, leaves, barks, and fruits of the Pharmacopœia. It is intended to give familiarity with the botanical characters of the more common medicinal plants, thus aiding in the identification of the crude drugs derived from them, and in the detection of adulterations. The active principles of such drugs and peculiar modes of action are also investigated.

5. Vegetable Histology: cell structure and the study of tissues. Microscopy: twenty-five mounted specimens required. Vegetable Physiology, with practical experiments and original investigations.

Courses 2 and 3 should be preceded by Course 1.

Courses 4 and 5 should be preceded by Courses 1 and 2.

The instruction in all courses of the Botanical Department is given through practical work in the laboratory, accompanied by explanatory lectures.

Students sketch all the objects studied. Free instruction in drawing and water-color painting is given to those wishing it.

Instructors and students meet statedly for the discussion of recent discoveries in Botanical Science.

XIV. ZOÖLOGY AND PHYSIOLOGY.

1. Elementary Lectures on Human Anatomy, Physiology, and Hygiene, by the physician. First term, one hour a week for eight weeks.

2. Anatomy of Invertebrates, first semester. Anatomy and Embryology of Vertebrates, second semester.

The work of the first semester is mainly preparatory. Beginning with the unicellular organisms, a familiar example of each of the various plans of invertebrate structure is studied in detail in the laboratory, the examination of such a typical form being followed by a more rapid survey of the common allied animals. The work of the second semester includes *(a)* detailed study of several vertebrates; *(b)* an outline of the development of the chick; *(c)* a comparative study of the chief systems of the vertebrate body as to both anatomy and development; *(d)* a few lectures on such philosophical topics as the Origin of Species and Geographical Distribution.

3. Systematic Zoölogy.

Collection and identification of specimens, chiefly land and fresh-water invertebrates. Expeditions to museums and marine collecting grounds. Careful study of the Arthropoda, with especial reference to Phylogeny and (in the case of the Insecta) the Natural History. Text-book, Claus and Sedgwick's Zoölogy.

4. Physiology and Hygiene.

Dissection of a typical mammal. Gross anatomy, histology, physiology, and hygiene of each system, with practical deductions as to food, heating, ventilation, drainage, etc. Text-books, Foster's Practical Physiology, 5th ed.; Martin's Human Body, 4th ed.

N. B.—Either Course 3 or 4 will be given, but not both. The one for which the largest number of students apply will be chosen.

Preparation.—A knowledge of drawing is indispensable. Free instruction is provided for those who require it. A reading knowledge of French and German, and acquaintance with the elements of chemistry, are very desirable in Courses 3 and 4.

Apparatus.—Microscopes, re-agents, etc., are provided by the College. Dissecting instruments may be provided by the students, or be rented for a small fee.

XV. ELOCUTION.

The following courses are open free to all students. Special arrangements may be made for private instruction.

1. Liberating and training the body; correct method of breathing in voice production; articulation; simple spontaneous expression of thought and feeling. One hour a week, one year.
2. Physical and vocal training, continued. One hour a week, one year.
3. Co-operation of the agents of expression; pantomimic training; voice culture; readings, recitations and orations from the best authors; Julius Cæsar.
4. Training of Course 3 continued; study of vocal expression as a means of interpretation of the higher forms of thought and feeling; two plays from Shakespeare.

XVI. PEDAGOGICS AND DIDACTICS.

Theoretical.—Lectures and recitations are given on the science and art of education as based upon underlying philosophical principles. Especial prominence is given to the study of child-nature, and the laws of its development.

Practical.—Special attention is given to the Kindergarten system, and methods of government and instruction in primary, intermediate, and higher grades. Lessons given by members of the class will be criticised by instructor and students. The aim is to offer a critical study of methods in general, that each may be able to select or devise those best adapted to her needs.

Historical.—The lives and chief works of Comenius, Rousseau, Pestalozzi, Fröbel, Herbert Spencer, and Horace Mann are studied.

XVII. BIBLIOGRAPHY.

An elective course in the study of Bibliography is given once a week during the second semester. The course consists of fifteen lectures on,—

The Province of Bibliography.
Library Methods and Catalogues.
Bibliography of Special Subjects.
Literary Aids and Methods.
Material Bibliography; Printing and Book-binding.
Relation of Public Libraries to Schools.
Growth and Importance of Libraries.

Six class exercises on the bibliography of special subjects, for which two periods a week of outside work are required. The course is practical in its nature. It aims,

1. To familiarize the student with the best bibliographical works, and with library methods and catalogues.
2. To teach the best method of reaching the literature of a special subject.
3. To furnish important bibliographical lists likely to prove valuable in future study.

XVIII. PHYSICAL GEOGRAPHY.

An advanced course, treating specially of the relations of the physical features of the earth to human life and history, is given during the first semester. It is intended as an important adjunct to the study of History, Language and Art, as well as of Science.

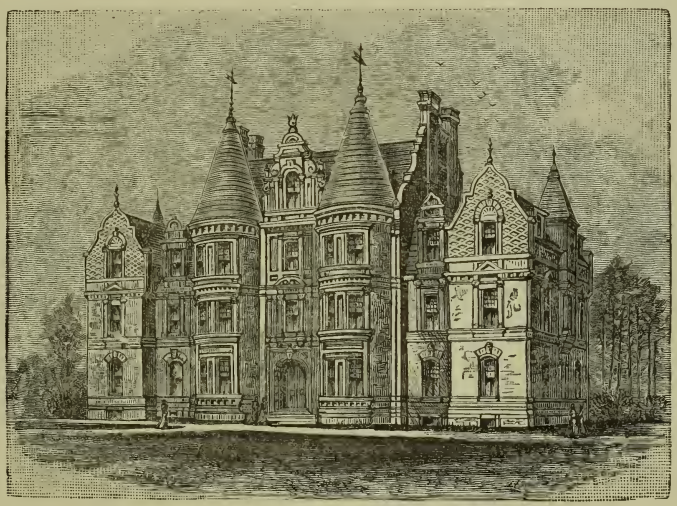
XIX. ANCIENT AND MEDIÆVAL LITERATURE.

A course of open lectures in ancient and mediæval literature was begun in September, 1888. The course extends through two years, the lectures occurring semi-monthly. Romance and German Literatures are treated during the current year; Greek and Latin in 1889–90.

PUBLIC LECTURES AND CONCERTS.

Besides occasional addresses which, though of especial interest to members of some one department, are open to the college at large, one lecture on a Shakespearean subject is provided annually by the income of the Kate Howard Furness Fund, two readings and lectures on elocution by the Monroe Fund, and about ten concerts by the Concert Fund (see p. 44).

Lectures and papers are also given on philanthropic and benevolent work.



Music Hall.

Wellesley School of Music.

The School of Music is located in Music Hall, which contains thirty-eight music-rooms and a hall for lectures and choral singing. Forty-three pianos and two large organs are furnished for the use of students. The organ presented by Mr. W. O. Grover has three manuals, each of sixty-one notes, a pedal of thirty notes, and twenty-six speaking registers. It contains 1,584 pipes.

REQUIREMENTS FOR ADMISSION.

Regular course: Candidates must meet requirements 1, 2, 3, 4, pp. 14 and 15, and must also present the full preparation (see pp. 16–18) in either Latin, French, or German.

Special students: Special students for any musical study will be received, but in all cases the above requirements must be met, unless exceptional advancement in music can be urged as an equivalent for one required subject.

Special arrangements may be made for those not connected with the College who may desire to pursue a Musical Course exclusively.

DEGREE OR DIPLOMA.

Students who complete either of the following courses will receive the diploma of the School of Music.

The degree of Mus.B. will be given upon completion of a course laid out for that degree.

Students intending to graduate in the musical courses must give at least a year's notice.

COURSES OF STUDY.

1. Piano: two lessons a week for five years.
   Harmony: two lessons a week for two years.
   Outlines of Musical History: examination upon the ground covered by Bonavia Hunt's History of Music.
   Modern Language: three hours a week for three years. The student must have a reading knowledge of German, but having gained that may spend the remainder of the three years upon either French or German,
   Bible Study: two hours a week for four years.
2. Organ: two lessons a week for five years.
   The remainder of the course is the same as Course 1, omitting piano.
3. Voice: two lessons a week for five years. In other respects this course is like Course 1, omitting the piano, except that one year of Italian must be substituted for one year of French or German.
   Violin, Viola, Violoncello, Harp, or any orchestral instrument, may be made a specialty instead of the above-mentioned principal studies.

THE FIVE YEARS' CLASSICAL OR SCIENTIFIC AND MUSICAL COURSE.

Students entering the Classical or Scientific Course may combine the regular study of music with the work required for a degree, the collegiate studies extending through five years instead of four.

Any one of the three courses of instruction may be selected—the Pianoforte, the Organ, or the Voice. Lessons on the Harp, Violin, Viola, and Violoncello are subject to special arrangements.

COURSE OF STUDY FOR THE PIANOFORTE.

Selections, equal to about one half the entire amount, from the following works, or their equivalents:—

FIRST YEAR.

ETUDES.

Plaidy's Technical Studies; Emery's "Head and Hands"; Czerny, Op. 849; Köhler's Primary Studies, Op. 50; Duvernoy's Etudes de Mécanisme; Köhler, Op. 60; Heller, Préludes, Op. 119; Bertini, Op. 100; Heller, Op. 47; Krause, Op. 4; Emery's Studies in Presto Scales; Loeschhorn, Op. 66; Easy Studies by Eschmann and Oscar Weil; eighteen little preludes by Bach.

PIECES.

Sonatinas and other simple works by Krause, Reinecke, Merkel, and Gurlitt; Clementi, Op. 36; easier sonatas of Haydn and Mozart; Beethoven, sonatinas, Op. 49, Nos. I. and II., Op. 79; short pieces by Hummel, Dussek, Schubert, Schumann, Gade, and other classical writers; easy selections from the best modern composers; Mendelssohn's Op. 72, and Songs without Words; practice in four-hand playing.

SECOND YEAR.

ETUDES.

Bertini, Ops. 29 and 32; Czerny, Op. 299, Velocity studies, three books; Krause, Op. 2, trill studies; Op. 5, two books; Op. 9, studies in broken chords; Moscheles' preludes; Clementi's preludes and exercises; Heller, Ops. 46 and 45; Bach's Two-part Inventions; Continuation of Emery and Plaidy; Mason's Accent Exercises.

PIECES.

Sonatas of Haydn, Clementi, and Mozart; Beethoven, Op. 2, No. I.; Op. 10, Nos. I. and II.; Op. 14, Nos. I. and II.; Rondos, Op. 51, Nos. I. and II.; easy variations; Mendelssohn's Songs without Words; Caprices, Op. 16, and other short pieces; selections of moderate difficulty from Hummel, Dussek, Schubert, Krause, Kiel, Bargiel, Jadassohn, Reinecke, Nicodé, and other modern composers; four-hand playing.

THIRD YEAR.

ETUDES.

Czerny, Op. 740, three books; Cramer (Bülow edition), first half; Clementi's Gradus ad Parnassum (Tausig edition), first half; Carl Mayer, Op. 305; Krause, Op. 15, studies for the left hand; Eschmann, Op. 16; Heller, Art of Phrasing, Op. 16; Technics, by Plaidy, Emery, and Tausig.

PIECES.

The more difficult Sonatas of Haydn, Mozart, Clementi, and Dussek; Beethoven, Op. 2, Nos. II. and III.; Op. 7; Op. 10, No. III.; Op. 13; Op. 26; lesser works of the Bachs, Scarlatti, and other ancient writers; moderately difficult selections from Mendelssohn, Chopin, Schumann, and writers of the romantic school; Bach's Preludes and Fugues; French Suites.

FOURTH YEAR.

ETUDES.

Czerny, Op. 740, continued; Cramer (Bülow), continued; Clementi (Tausig), continued; Moscheles, Op. 70, two books; Kullak's Octave School; Chopin, Op. 25; Bennett, Op. 11; Mayer, Op. 119; Grund, Op. 21; Bach's Preludes and Fugues.

PIECES.

The difficult Sonatas of Hummel and Dussek; Suites and other pieces of Handel; English Suites of Bach; Beethoven, Sonatas, Op. 22; Op. 27, Nos. I. and II.; Op. 28 and Op. 31, Nos. I., II., and III.; Concertos, by Dussek, Hummel, and Mozart; Preludes and Fugues, Rondos and Caprices, of Mendelssohn; Impromptus of Schubert; Preludes, Impromptus, and shorter pieces of Chopin; Noveletten and Fantasiestuecke of Schumann; Selections from the best recent composers; Ensemble playing.

FIFTH YEAR.

ETUDES.

Henselt, Op. 2 and Op. 5; Toccatina, Op. 25; Baermann, Op. 4; Chopin, Op. 10; Hans Seeling, Op. 10, two books; Toccatas, by Czerny, Schumann, Rheinberger, and others; Bach's Preludes and Fugues; Schumann's Etudes Symphoniques.

PIECES.

Schubert's Sonatas; Beethoven, Op. 53, Op. 57, and Op. 81; the more difficult Variations; Concertos, Nos. III. and IV.; Mendelssohn's Concertos and other concerted works; Variations; Chopin's Variations, Rondos, Ballades, and Scherzi; also the difficult Polonaisies and Fantasies; Concert pieces of Rheinberger, Liszt, Saint-Saëns, Raff, Scharwenka, Nicodé, Pabst, Moszkowski, and others.

COURSE OF STUDY FOR THE ORGAN.

FIRST YEAR.

Manual playing in two, three, and four parts (without pedals), for perfection of touch and execution, as exemplified in the works of Rink, André, Hesse, and Lemmens.

Rink's Organ School, Books I., II., and III.

Studies in Registration.

Offertories by Wély and Batiste.

Easy Choral Preludes of Bach, Richter, Merkel, Papperitz, and others. Short Fugues of Bach.

SECOND YEAR.

Rink's Organ School, continued.

Buck's Studies in Pedal Phrasing.

Arrangements from the Sonatas and Symphonies of Haydn, Mozart, and Beethoven.

Choruses arranged from Handel's Oratorios.

Selections from Bach's Organ Fugues.

Mendelssohn's Sonatas. Preludes, Fantasies, and other pieces from Wély, Guilmant, Merkel, Batiste, and Hesse. Best's Arrangements.

THIRD YEAR.

Handel's Concertos.
Mendelssohn's Sonatas.
Ritter's Sonatas.
Merkel's Sonatas.
Toccatas, Preludes, and Fugues of Bach.
Concert Pieces, by the best English, French, and German masters.
Best's Arrangements, continued.

FOURTH YEAR.

The more difficult works of Bach, Handel, Ritter, Guilmant, Widor, and Saint-Saëns.
Best's Arrangements, continued.

FIFTH YEAR.

Bach's Trio Sonatas, Fugues, and Passacaglia.
Rheinberger's Sonatas.
Thiele's Concert Pieces.
Best's Arrangements.
Concert Pieces of the best masters, ancient and modern.

COURSE OF STUDY IN SOLO SINGING.

FIRST YEAR.

The Voice as an instrument. Formation of Tone. Study of the Scales, major, minor, and chromatic. Slow trills and simple musical figures, with the vowels *ä*, *i*, and *o* pure and modified. Rules for breathing, and their practical application. Concone's Studies. Exercises Elémentaires Gradués, by Mme. Marchesi. Vocalises, by Vaccai, Sieber, and Marchesi. Exercises for the flexibility of the vocal chords. Selected songs in English, French, German, and Italian.

SECOND YEAR.

Continuation of the above. Lamperti's Bravura Studies, Books I. and II. Advanced studies for agility. Songs by the best American and European composers. Simple Scenas and Arias from the Italian, French, and German Operas. Airs from the Oratorios.

THIRD YEAR.

Lamperti's Bravura Studies, Books I., II., and III. Etudes by Bordogni. Vocalises by Panofka, Marchesi, and Rossini. Songs of Schumann, Franz, Mendelssohn, Rubinstein, and best English and French writers. Oratorio. Scenas and Arias from standard operas. Operatic Arias by Handel, arranged by Robert Franz.

FOURTH YEAR.

Résumé of previous work. Study of music by the old German, Italian, and English masters. Selections from the more difficult cavatinas and concerted pieces from the operas. Oratorio singing continued.

FIFTH YEAR.

Bravura singing as exemplified in the best works of present and past composers.
The great Arias and concerted pieces from the Classic Operas and Oratorios. Selected Songs.
Elocution is studied during each year of the course in solo singing.

HARMONY AND MUSICAL THEORY.

A thorough knowledge of the principles and practice of this branch of Musical Science is a prime necessity to every musical student. Without it no one can obtain clear and comprehensive views of the formation and character of musical composition. While it is not, as yet, a requisite for entrance to the School of Music, the Director urgently recommends that every member will at some period in her course include Harmony with her other musical work. It is better that this should be continued for two years.

TEXT-BOOKS USED IN HARMONY.

Emery's Elements of Harmony.
Richter's Manual (translated by J. C. D. Parker).
Richter's Counterpoint (translated by Franklin Taylor).
Richter's Fugue (translated by Arthur Foote).
Wohlfahrt's Guide to Musical Composition.

ENSEMBLE PLAYING.

Facilities are offered for the study and practice of chamber music—the Fantasies, Romances, Sonatas, and Trios of the Great Masters, for the Piano and Violin, with addition of Violoncello, and occasionally other instruments.

ANALYSIS AND INTERPRETATION.

Classes in analysis and interpretation of classical works will be formed by the Director, if desired by at least six pupils.

TONIC SOL-FA SINGING CLASS.

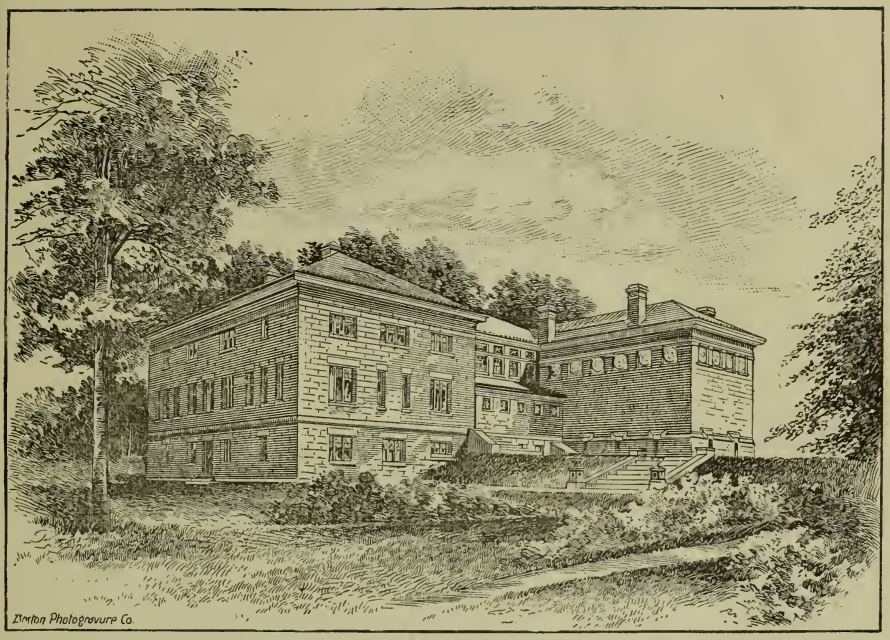
The Tonic Sol-fa method provides a definite and sure means of learning to sing music at sight from the ordinary staff notation, as well as from the Tonic Sol-fa notation. The chief feature of this method is the insistance on a distinct mental conception of both tone and rhythm before the sound is made. This course is of great assistance not only to vocal pupils, but to piano and organ pupils as well. In case a class of not less than twenty-five is formed, the tuition is placed at five dollars each for twenty lessons.

CONCERTS AND LECTURES.

At frequent intervals, recitals and concerts are given by the advanced students in the several departments, by members of the Faculty of the School of Music, and by distinguished musicians from Boston and elsewhere.

All concerts and lectures are free, but it is expected that all who are able will contribute to the "Concert Fund."

Lectures on Theory and Æsthetics, and on the History of Music and Musicians, are given throughout all the courses by the Director and non-resident lecturers.



The J. D. Farnsworth School of Art.

School of Art.

The purpose of the School of Art is twofold: while providing technical instruction in Drawing and Painting, it aims to supply such acquaintance with the arts in their history, philosophy, and criticism as may profitably supplement the work in other departments of study.

As a professional School of Art, it aims to furnish a thorough course of study in the practice of the studios. The plan of the school is such that there is the greatest freedom in adapting the instruction to the varying needs of students. The development of individual talent and taste is sought, and any particular purpose in a student's studies is aided.

The course in technical training covers five years. The requirements for admission to it are the same as those for the School of Music (see p. 40). Students may enter an advanced class at any time by presenting satisfactory specimens of the work required in the previous years of the course.

The studies in the history and theory of art are counted among the regular college electives (see p. 33). Lectures upon these subjects are open without fee to all members of the College.

Diplomas are awarded to students who have completed the required course of study. Every pupil who receives a diploma is expected to leave a satisfactory drawing in the school.

An exhibition of the students' work will be held at the end of each college year.

COURSE OF TECHNICAL STUDY.

FIRST YEAR.

Drawing from objects and casts; Design; Geometrical and Perspective Drawing.

SECOND YEAR.

Drawing from casts and life. Study of Anatomy.
Illustrated lectures on the History of Egyptian and Greek Art.

THIRD YEAR.

Drawing from life. Model painting from still-life.
Illustrated lectures on the History of Italian Art.

FOURTH YEAR.

Painting from life.
Illustrated lectures on the History and Characteristics of Art in Germany, France, and England.

FIFTH YEAR.

Painting from life.
Composition.
Lectures and Criticism.

THE FIVE YEARS' CLASSICAL OR SCIENTIFIC AND ART COURSE.

A regular course of five years' instruction in Art is given upon the same plan which has proved satisfactory in the study of Music.

Students who enter either one of the regular college courses may combine with it the course in Art, their collegiate studies being distributed through five years instead of four. Hitherto, free instruction in the Art Course has been given to those who entered the Freshman Class of the Classical Course *unconditioned*. The privilege will be withdrawn after the present college year.

Free instruction in Freehand, Mathematical, and Perspective Drawing is given to the students in the Classical and Scientific Courses for one year, two hours per week.

Private lessons in the various branches of Art will be given to those who desire them. For terms, see Expenses.

Art Building.

By the bequest of the late Isaac D. Farnsworth, funds have been provided for the erection of an Art Building, which will be ready for occupation in September, 1889. Beside lecture-rooms, galleries for collections, and studios for those engaged in drawing and painting, a special

feature in the plan of the building is the arrangement of small reading-rooms and libraries, so that the books and art material relating to particular subjects and periods can be made immediately available to general students.

The School of Art is already furnished with a collection of over three thousand photographs, engravings, etchings, and drawings; a series of stereoscopic views illustrating the history and art of different nations and periods; a collection of paintings in oil and water colors; copies of ancient armor; a ceramic collection; coins, and pieces in bronze and iron; one hundred statues and busts; and a large collection of casts from the antique.

A complete descriptive catalogue of the works of art has been prepared by Miss E. H. Denio for the use of the students.

The Libraries and Reading-room.

The Libraries of the College, munificently endowed by Eben Norton Horsford, now number 34,000 carefully-selected volumes, not including pamphlets, and are open for the use of the students during the day and evening. Besides the General, there are the following Special Libraries :—

The Scientific Library numbers about 5,600 volumes, and is divided into

Mathematical Library, 700 volumes.

Botanical Library, 1,150.

Library of Physics, Physical Astronomy, Microscopy, and Physical Geography, 1,800.

Library of Zoölogy and Physiology, 1,062 volumes.

Library of Chemistry, Mineralogy, and Geology, 926 volumes.

Most of the books in these libraries are placed, for convenience, in the laboratories of the departments to which they belong.

The Gertrude and Sunday Libraries, established by Mr. A. A. Sweet, with other collections in the General Library, furnish 3,400 volumes for Biblical study and religious reading.

The Art Library numbers about 1,100 valuable books, many of them rare collections illustrating the finest works of the old masters.

The Musical Library contains the biographies of the great artists and composers, histories of music, books of essay and criticism, the great oratorios and operas, and an increasing collection of vocal and instrumental music by the best composers.

The Stone Hall Library, of valuable literary, historical, and religious works, is being accumulated through private generosity.

The Loan Library furnishes at slight cost the more important text and reference books to students of narrow means.

Ninety-five American, English, French, and German periodicals are taken for the General Library. The list includes the most important

representatives of all the branches of knowledge covered by the college curriculum. About sixty daily, weekly, and monthly journals are taken for the Reading-room.

Besides the regular book and card catalogues as used in the best libraries, there is a complete and minute classification on the shelves, by subjects. With this has been made a complete subject catalogue in a separate book for each main class, and an exhaustive catalogue and analysis on cards, with the fullest printed index of topics that has yet been arranged for library use. To all books, catalogues, and indexes, students have unrestricted access, day and evening; and it is purposed to make the training in the best methods of reading and consulting libraries an important factor in the College Course. Besides the personal efforts of Librarian and Faculty to this end, readers' manuals, guides, and the other aids which the recent study of leading librarians has proved most valuable, will be provided.

In addition, library talks and personal instruction are given each year on the following subjects: How to use the Library; The best General Reference-books, and their use; The Classification and best Reference-books in each class.

Laboratories and Scientific Collections.

I. CHEMICAL AND MINERALOGICAL LABORATORIES.

There are two laboratories for work in General Chemistry, one for Qualitative and Quantitative Analysis, and one for Mineralogy. All are fully supplied with apparatus and chemicals. In the mineralogical laboratory, each place is furnished with a set of blowpipe tools and all the apparatus and re-agents necessary for the determination of minerals by chemical tests.

The Mineralogical Cabinet comprises between five and six thousand minerals, among which are a number of natural crystals, for the study of Crystallography.

In the Lithological collection the principal varieties of rock are well represented by hand-specimens and by microscopical sections.

The Geological collection embraces specimens of fossils, rocks, and rock structures.

II. PHYSICAL LABORATORIES.

The Department of Physics has a convenient lecture-room, with oxy-hydrogen lantern and *porte-lumière*, for the illustration of lectures. Apparatus necessary for instruction and illustration has been selected with great care from the best makers at home and abroad. The students' laboratory is arranged in separate rooms and alcoves. A dark room is

fitted up for photometry, another for photography. The electrical laboratories are supplied with instruments for telegraphy and electrical measurements. There is a work-shop provided with a lathe and tools for woodwork, where apparatus may be constructed or repaired.

III. BOTANICAL LABORATORIES.

There is a large laboratory for the study of Morphology, and smaller ones for Histological and Physiological work, as well as one for pressing and preparation of plants. All are furnished with microscopes and microscopic accessories; those for advanced work have also the necessary physical and chemical apparatus and such other appliances as are requisite to enable students to carry on independent research.

The collection illustrative of Botany includes: the herbarium, containing upward of five thousand phanerogams and about three thousand cryptogams; a generic collection mounted under glass; a collection of woods, fruits, and economic vegetable products and a set of drugs fully illustrating the pharmacopœia; two hundred charts by Henslow, Kny, Dodel-Port, and others; a collection of Auzoux's botanical models, illustrating the structure of both flowering and flowerless plants.

In addition to the working collections, a permanent Museum is being arranged.

IV. ZOÖLOGICAL LABORATORIES.

There are three laboratories for the study of Zoölogy and Animal Physiology. Every student is provided with a dissecting and a compound microscope. For special demonstration, lenses of exceedingly high power are available.

Accessories which aid in the pursuit of the subject are: the museum, a typical collection of both vertebrates and invertebrates; a considerable and increasing number of charts; a collection of models in wax, glass, or *papier-maché*, including a manikin, and models of separate organs and mechanisms.

V. MICROSCOPES AND MICROSCOPICAL APPARATUS.

There are in constant use in the different departments, ninety-nine microscopes of various patterns, including a Polari-Microscope, and one especially adapted to the study of rock-sections. There is a large battery of objectives, ranging in power from one-twenty-fifth inch down, and a variety of accessory apparatus. Care has been taken to represent in this collection the best makers in Europe and America.

There is no charge for use either of microscopes or of accessory apparatus. Members of the advanced classes, and special students who wish, may in a weekly class learn the general manipulation of the microscope, and its various applications.

VI. MATHEMATICAL MODELS.

The collection of Mathematical Models consists of a set of models of simple solids, surfaces of the second and higher orders, and circular sections of surfaces of the second order. They are executed in wood, thread, card, and plaster.

Societies.

The Microscopical Society affords opportunity for an exchange of results of work in the different departments of science. Meetings are held monthly, and the papers presented are illustrated by exhibitions of objects under microscopes, or by lantern projection.

The Shakespeare Society was formed in 1876, and is a branch of the London Shakespeare Society, whose publications it regularly receives. Its sessions are held once in four weeks.

The Beethoven Society is a choral organization, conducted by the Director of the School of Music. It is open to all students of this school, and to others who are able to sing ordinary music at sight. The weekly rehearsals are devoted to the study of part-songs and choruses by Abt, Gounod, Kienzl, Bennett, Möhring, Mendelssohn, Reinecke, Rheinberger, Rubinstein, Schubert, and others.

The Wellesley College Christian Association is devoted to the promotion of religious life in the College, to arousing intelligent interest in social reforms, and in the spread of the gospel in all lands.

Gymnasium.

The Gymnasium is conducted on a strictly sanitary basis, the amount of exercise being carefully prescribed and directed according to the needs of the individual.

All students receive a thorough physical examination, including Dr. D. A. Sargent's measurements and strength tests, and those who wish may have special training in addition to the required work.

The Gymnasium is equipped with a great variety of mechanical appliances for class drill and special work.

Domestic Department.

All students in the College buildings aid in the lighter domestic work, or in the clerical labor of the offices, libraries, and departments of instruction. Much valuable information and discipline are thus secured to the student, though the time occupied is never more than one hour daily.

The influence of this service, rendered heartily, is invaluable in producing during the years of purely mental training habits of accuracy, self-reliance, unselfishness, and genuine sympathy with all workers.

Expenses.

The price of board and tuition, including heating and lights, for each student, regular or special, will be from September, 1889, $350 per year, —$200 payable on entrance, $150 on the first of January. The price for tuition alone will be $150 per year. A student is also liable for special damages. Checks or money-orders must be made payable to the order of Wellesley College. It must be clearly understood that in case of withdrawal during the year, the student has no claim for the return of any part of the money she has paid.

Students who entered College before September, 1889, will not be affected by this increase of tuition.

The College has yearly been adding to the advanced courses, until, as may be seen by consulting the curriculum, an unusually large range of electives is open to the students. This involves new laboratories, apparatus, libraries, and all facilities for higher instruction, as well as a larger Faculty. Such opportunities could not continue to be offered at the present rates.

Students can arrange for board at the College during the Christmas and Spring vacations at $6 per week. Board can be obtained in private families in the village, at prices ranging from $5 to $7 per week.

EXTRA CHARGES FOR MUSIC LESSONS.

For private instruction for the College year in Piano, Organ, Harmony, Violin, or Vocal Music, two lessons per week	$100 00
One lesson per week	50 00
(Lessons forty-five minutes each.)	
For the same Instruction for the College year,—two half-hour lesson per week	75 00
Harmony, class of two, each student, two lessons a week	50 00
" " three " " " "	35 00
Ensemble playing, class of three, each student	35 00
Interpretation and Analysis, class of three, each student	35 00
Sight-singing and Tonic Sol-fa	15 00
(Lessons forty-five minutes weekly.)	
For use of the Piano or Reed Organ, one period daily, for the year	10 00
For two periods daily	20 00
For three periods daily	30 00

For use of the Pipe Organ in Music Hall, one period daily, for the year	15 00
For two periods daily	30 00
For use of the Organ in the College Chapel, one period daily, for the year	20 00
For two periods daily	40 00

For additional time in proportion.

Lectures on the Theory and History of Music are free to all students of the College.

Charges for instruction on instruments not mentioned will be fixed when the lessons are arranged.

It is understood that all arrangements for the study of music are made for the entire year. Lessons cannot be discontinued, except for extraordinary reasons, and due notice must be given to the Director. No deduction will be made for lessons lost by the student.

EXTRA CHARGES FOR INSTRUCTION IN ART.

Professional Art Students, for the college year	$100 00
College Art Students, for the college year	80 00

Each teacher will give instruction two days in each week, and each student will have the use of the studio from 9 A. M. to 4 P. M.

Special students, for one lesson per week for the college year	45 00
For two lessons per week for the college year	80 00

The lessons are two and one-half hours in length.

A pupil who attends during any part of a term is expected to pay the fee for that term.

THE STUDENTS' AID SOCIETY OF WELLESLEY COLLEGE.

The object of this Society is to aid girls who would otherwise be unable to obtain an education. In many cases money is loaned to students without interest, in the expectation that whenever they are able they will repay the Society; assistance is often given partly in gifts and partly in loans. Of the money loaned during the last nine years, one third has already been returned.

The amount appropriated by the Society in loans and gifts during the year 1887–88 was $15,089.49. The funds at its disposal are wholly insufficient to meet the wants of the applicants. Contributions of any amount will be gladly received, and should be sent to the Treasurer of the Society, Mrs. Pauline A. Durant, Wellesley, Mass. All applications for assistance must be made by letter, addressed to the Corresponding Secretary, Mrs. J. Frederick Hill, 3 Forest Street, Cambridge, Mass.

The following scholarships of $5,000 each have been established, their income being appropriated yearly under the direction of the Society:—

The Wood Memorial Scholarship, founded in 1878, by Mrs. Caroline A. Wood, in memory of her husband.

The Grover Scholarship, founded in 1878, by William O. Grover.

The Weston Scholarship, founded in 1878, by David M. Weston.

The Northfield Seminary Scholarship, founded in 1878.

The Pauline A. Durant Scholarship, founded in 1880, by Mr. and Mrs. Durant.

The Sweatman Scholarship, founded in 1880, by Mr. V. C. Sweatman.

The Walter Baker Memorial Scholarship, founded in 1880, by Mrs. E. W. J. Baker.

The Annie M. Wood Scholarship, founded in 1880, by Frank Wood.

The Frost Scholarship, founded in 1880, by Rufus S. Frost.

The Union Church Scholarship, founded in 1880, by Mr. and Mrs. A. W. Stetson.

The Cheever Scholarship, founded in 1880, by John H. Cheever.

The Florence N. Brown Memorial Scholarship, founded in 1880, by Mr. and Mrs. Samuel N. Brown, Jr.

The Augustus R. Clark Memorial Scholarship, founded in 1880, by Mr. and Mrs. A. N. Clark.

Four Harriet Fowle Scholarships, founded in 1881, by Henry Fowle Durant, in memory of his mother.

The Durant Memorial Scholarship, founded in 1883, by the officers and students of Wellesley College, in honor of Henry F. Durant.

The Jane Topliff Memorial Scholarship, founded in 1883, by Mrs. William S. Houghton, in memory of her mother.

Five scholarships known as the "Stone Educational Fund," founded in 1884, by Mrs. Valeria G. Stone.

The Margaret Fassett Hunnewell Memorial Scholarship, founded in 1885, by Francis Wells Hunnewell.

By provision of Mr. E. A. Goodenow, in 1885, a sum of $250 is annually divided among five deserving students.

The Jeannie L. White Scholarship, founded in 1886, by herself.

NEEDS OF THE COLLEGE.

The attention of all who appreciate the influence of educated and refined women, is called to the immediate needs of Wellesley College. The College is now established on such a firm footing that it can with confidence appeal to the public for aid. It has been filled with students from its beginning; during the current year it has received 677 students.

The advanced courses of study, the watchful care of the students' health, the standard of character, refinement, and usefulness, are known

throughout the country. Hundreds of Wellesley students are already doing good work as teachers, and every year since the College opened, missionaries have gone forth from Wellesley to home and foreign fields of work.

The urgent needs of the College at present are the following: —

1. Unrestricted funds for defraying general expenses.
2. The endowment of the presidency and professorships.
3. A college chapel.
4. The erection of cottages.
5. A gymnasium building.
6. A scientific building.
7. An astronomical observatory, fully equipped and endowed.
8. The further equipment of the School of Art with casts, pictures, engravings, and models.
9. The endowment of the Schools of Music and Art.

FORMS OF BEQUEST.

I give and bequeath to the Trustees of Wellesley College the sum of ——— thousand dollars, to be appropriated by the Trustees for the benefit of the College in such manner as they shall think will be most useful.

I give and bequeath to the Trustees of Wellesley College the sum of ——— thousand dollars, to be safely invested by them, and called the ——— Scholarship Fund. The interest of this fund shall be applied to aid deserving students in Wellesley College.

I give and bequeath to the Trustees of Wellesley College the sum of ——— thousand dollars, to be safely invested by them, and called the ——— Endowment Fund The interest shall be applied to the payment of the salaries of teachers in Wellesley College, as the Trustees shall deem expedient.

Summary of Students by Classes.

Fifth year	6	Resident Graduates	10
Seniors	85	Candidates for Bachelors' Degrees	535
Juniors	106	Non-Candidates for Degrees	132
Sophomores	122		
Advanced Freshmen	23	Total number, 1888–1889	677
Freshmen	193		
Total	535		

Non-resident Candidates for higher Degrees 12

Summary of Students by States and Countries.

United States:—		Wisconsin	4
Massachusetts	193	California	3
New York	88	Colorado	3
Illinois	44	Delaware	2
New Hampshire	42	Oregon	2
Ohio	38	Georgia	1
Pennsylvania	36	Louisiana	1
Connecticut	34	Maryland	1
Maine	26	Mississippi	1
New Jersey	25	Montana	1
Vermont	18	New Mexico	1
Rhode Island	16	Texas	1
Michigan	12	Wyoming	1
Iowa	11	China	3
Missouri	10	India	3
Kentucky	9	Turkey	3
District of Columbia	8	Japan	1
Kansas	8	New Brunswick	1
Indiana	6	Nova Scotia	1
Virginia	6	Syria	1
Alabama	4		
Minnesota	4	Total	677
Nebraska	4		

Degrees Conferred in 1888.

MASTER OF ARTS.

Anna Robertson Brown (Wellesley, '83), Oxford, Eng.
Thesis: The Development of the Arthurian Saga.

Bertha Ellsworth Hebard (University of Nebraska, '81).
Subjects: American History and Political Economy.

Five Years' Courses, with Music or Art.

BACHELOR OF ARTS.

Alice Frances Day, Warren, Mass.
Nancy Caroline George, Mendon, Mass.
Jeanie Gilman, Foxcroft, Me.
Mary Ette Goodwin, Sandusky, O.
Clara Maria Keefe, Chester, Mass.
Sarah Viola Lowther, Boston, Mass.
Laura Mabel Parker, Wellesley Hills, Mass.
Mary Eliza Parker, Gardner, Mass.

BACHELOR OF SCIENCE.

May Violet Ely, Windsor, Conn.
Laura Lyon, Ithaca, N. Y.

Four Years' Courses.

BACHELOR OF ARTS.

Elizabeth Frances Abbe, Dorchester, Mass.
Helen Baldwin, So. Canterbury, Conn.
Anna Theodora Brown, Woburn, Mass.
Mary Helen Cutler, Auburndale, Mass.
Maud Amy Dodge, Blue Hill, Me.
Minnie Alice Rutherford Drake, Cleveland, O.
Florence Lincoln Ellery, Albany, N. Y.
Minnie Florence Fiske, Holliston, Mass.
Mary Russell Gilman, New Bedford, Mass.
Marion Lane Gurney, New Haven, Conn.
Angie Hatton, Des Moines, Iowa.
Grace Adella Jenckes, Medway, Mass.
Mary Lucinda Knowlton, Woburn, Mass.
Christabel Lee, New Haven, Conn.
Marion Emily Lyford, Bangor, Me.
Martha Hill McFarland, Cambridge, N. Y.
Lilian Burleigh Miner, Mystic River, Conn.
Anna Palen, Germantown, Philadelphia, Pa
Nettie Alice Parker, Coaticook, P. Q.
Elizabeth Bateman Peckham, Newport, R. I.
Mary Ina Root, Skaneateles, N. Y.
Charlotte Ellsworth Rose, East Saginaw, Mich.
Mary Lizzie Sawyer, Nashua, N. H.
Frances Seaton, Cleveland, O.
Elizabeth Slater, Albion. N. Y.
Ella Lavinia Smith, Newport, R. I.
Martha Stewart, Elburn, Ill.
Gertrude Lynn Tinker, Plainville, Conn.
Mary Amanda Tucker, Providence, R. I.
Edith Wilkinson, Tarrytown, N. Y.
Amorette Leona Winslow, Chelsea, Mass.
Stella Wrenn, Cambridge, Mass.

BACHELOR OF SCIENCE.

Margaret Tracy Algoe, Flint, Mich.
Bertha Bailey, White House, N. J.
Mary Louise Bean, Peoria, Ill.
Sophonisba Preston Breckinridge, Lexington, Ky.
Fannie Theodora Brown, Johnstown, N. Y.
Edith Leila Cooper, Oswego, N. Y.
Vennette Sweet Crain, Freeport, Ill.
Abbie Maud Fales, Ottawa, Kan.
Mary Josephine Griffith, Fairport, N. Y.
Edith Louise Hall, Burlington, Iowa.
Mary Ware Howe, Chicago, Ill.
Mae Calista McCauley, Stanley, N. Y.
Jessie Claire McDonald, Washington, D.C.
Mary Lena McMaster, Greenwich, N. Y.
Harriet Russel Pierce, Westboro, Mass.
Louise Richmond Reader, Lowell, Mass.
Martha Saunders, Newport, R. I.
Gertrude May Willcox, Chicago, Ill.

Graduates of the School of Music.

PIANO AND HARMONY.

May Violet Ely, Windsor, Ct.
Elizabeth Fielden Hume, Amesbury, Mass.
Mary Elizabeth Parker, Quechee, Vt.
Mary Arnold Petrie, Little Falls, N. Y.

ORGAN AND HARMONY.

ARAMINTA MILES FREEMAN, Peoria, Ill.

VOICE AND HARMONY.

SARAH VIOLA LOWTHER, Boston, Mass.

MEMBERS OF THE CLASS OF '88.

IN THE FIVE YEARS' COURSES WITH MUSIC OR ART.

MAY ESTELLE COOK,	Oak Park, Ill.	HELEN ADELAIDE PIERCE,	Franklin Furnace, N. J.
MARION ANGELINA ELY,	Chicago, Ill.		
CARRIE LANE EMERSON,	Candia, N. H.	CHARLOTTE WESTCOTT,	Auburn, N. Y.
MARY LESLIE JENKS,	Newport, N. H.	MARY LYDIA WHEELER,	Greenville, Pa.

CONTENTS.

ADMISSION, Requirements for . . 14
To Classical Course . . . 14
To Scientific Course . . . 17
To Advanced Standing . . 18
On Certificate 19
As Special Students . . . 20
To School of Art 45
To School of Music . . . 40
ANGLO-SAXON 32
ANNOUNCEMENTS 2
ART, School of 45
Requirements for Admission . 45
Course of Technical Study . . 46
Five Years' Classical or Scientific and Art Course 46
Special Instruction . . . 46
History of 33
Collections 47
Building 46
Extra Charges for Instruction . 52
ASTRONOMY, PHYSICAL . . . 36
ASTRONOMY, MATHEMATICAL . . 29
BEQUEST, Forms of 54
BIBLIOGRAPHY 38
BOARD OF TRUSTEES . . . 3
BOARD OF VISITORS 5
BOTANY 36
CERTIFICATES:
For Admission 19
For Special Students . . . 21
CHARTER 13
CHEMISTRY 34
COURSES OF STUDY 22
COURSES, Classical and Scientific, for 1888–1889 23
COURSES OF INSTRUCTION . . 27
DEGREES 21
DEGREES CONFERRED IN 18 8 . . 56
DOMESTIC DEPARTMENT . . . 50
ELOCUTION 37
ENGLISH LITERATURE . . . 32
ENGLISH LANGUAGE 32
EXAMINATIONS 18
EXECUTIVE COMMITTEE . . . 4
EXPENSES 51
FACULTY, INSTRUCTORS, etc. . . 6
FINANCE COMMITTEE . . . 4
FRENCH 30
GEOLOGY 35
GERMAN 29
GRADUATE INSTRUCTION . . . 27
GREEK 27
GYMNASIUM 50
HEALTH, Arrangements for Promoting 14
HEBREW 28
HISTORY 33
ITALIAN 31
LABORATORIES 48
LATIN 28
LECTURES AND CONCERTS, Public . 39
LIBRARIES 47
LITERATURE, Ancient and Mediæval, 39
LITHOLOGY 35
MATHEMATICS 28
MENTAL AND MORAL PHILOSOPHY . 34
METEOROLOGY 35
MINERALOGY 34
MUSIC, School of 39
Requirements for Admission . 40
Courses of Study 40
Course of Study for Pianoforte . 41
Course of Study for Organ . . 42
Course of Study in Solo Singing, 43
Degree or Diploma . . . 40
Five Years' Classical or Scientific and Musical Course . . . 40
Harmony and Musical Theory . 44
Concerts and Lectures . . . 44
Extra Charges for Lessons . . 51
Tonic Sol-Fa Singing Class . . 44
NEEDS OF COLLEGE 53
PEDAGOGICS AND DIDACTICS . . 38
PHYSICS 35
PHYSICAL GEOGRAPHY . . . 38
PHYSIOLOGY AND HYGIENE . . 36
POLITICAL ECONOMY 34
POLITICAL SCIENCE 33
READING-ROOM 47
RHETORIC 32
ROMANCE LANGUAGES AND LITERATURES 30
SANSCRIT 28
SCHOLARSHIPS 53
SCIENTIFIC COLLECTIONS . . . 48
SOCIETIES 50
SPANISH 31
STUDENTS' AID SOCIETY . . . 52
SUMMARY OF STUDENTS, by Classes, 55
By States and Countries . . 55
ZOÖLOGY 36

CORRESPONDENCE.

APPLICATIONS for Calendars, blanks, college documents for admission to College, and for all general information, should be addressed to MRS. ANNA M. MCCOY, Secretary of the College.

Information in regard to entrance examinations and preparatory schools will be given by MISS M. E. B. ROBERTS, Secretary of Board of Examiners.

Applications for pecuniary assistance (see p. 52) should be sent to MRS. J. FREDERICK HILL, Secretary Students' Aid Society, 3 Forest Street, Cambridge, Mass.

Inquiries about graduate study and the requirements for higher degrees may be made of MISS F. E. LORD, Chairman of Committee on Graduate Department.

From MISS M. E. B. ROBERTS, Secretary Teachers' Registry, full and confidential information may be obtained about the qualifications, character, and experience of teachers educated at Wellesley. Former students of the College who wish situations as teachers, have the aid of the Teachers' Registry free.